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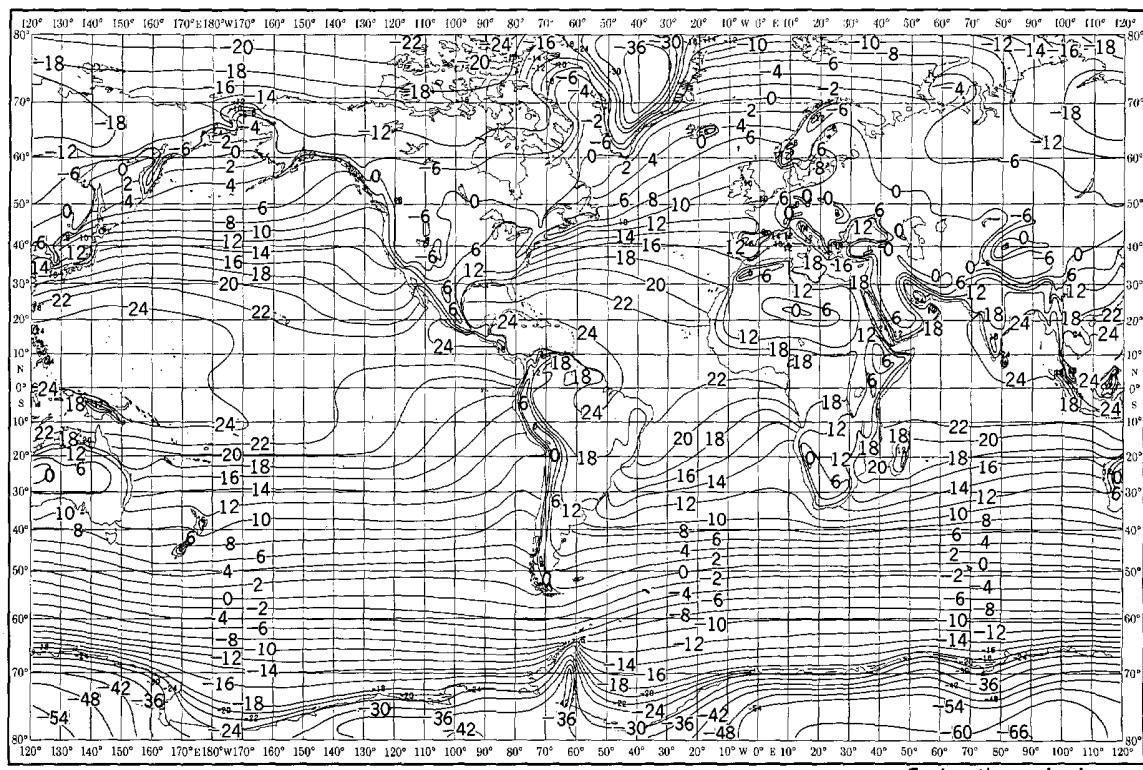


MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

OCTOBER

DEW-POINT TEMPERATURE (°C) - MEANS



Explanation on back cover

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE
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28801

Kenneth D. Waddell

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

PREFACE

Monthly Climatic Data for the World (MCDW) is a publication of monthly summary climatic data from around the world. Data are prepared by Members of the World Meteorological Organization (WMO) for selected stations and exchanged monthly via international telecommunications under provisions of the WMO Technical Regulations, WMO Publications No. 306 (Manual on Codes) and No. 386 (Manual on the Global Telecommunications System). Data used in MCDW are translated from CLIMAT, CLIMAT SHIP, CLIMAT TEMP and CLIMAT TEMP SHIP codes. WMO No. 9 (Weather Reporting), Vol. A - Stations indicates stations that report in these codes. MCDW is sponsored by the WMO in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. Percent of average sunshine was authorized during the Fourth Session (Stockholm 1965) of the WMO Commission for Climatology and recorded in the General Summary of the Report - WMO NO.177.RP.65. It is published by the United States National Oceanic and Atmospheric Administration.

REFERENCE NOTES

Names of countries (areas) and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = C, degrees = °, geopotential meters = gpm, meters = m, millibars (hectopascals) = mb, millimeters = mm, minutes = ', percent = %.

The long term surface data AVERAGES required for these tables were calculated for 1951 - 1980 from data received at the National Climatic Data Center during those years. Six years of data were considered to be the minimum for calculations.

Departures are differences between data and the AVERAGES for that month. Precipitation departure of "T" or "-T" indicates a difference less than 0.5 mm from AVERAGE.

Provisional upper air normals, although not published in this bulletin, can be obtained from WMO Pub. No. 170. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement -- computation of CLIMAT TEMP values.

Late reports and corrections are published when received, except that data more than five years old are not published. The Corrections sections include corrections to past data. In these, "D" indicates the data should be deleted. Some late reports of pre-1987 data appeared in the Corrections sections during the 1987 Data Year.

The data received by the publisher often contain errors. A reasonable effort is made to correct errors; but some may appear in the publication, especially if the errors are subtle or were part of a large group of errors.

The station list appears at the back of the publication. In January and July, all CLIMAT (C) and CLIMAT TEMP (T) stations from WMO Pub. No. 9, Vol. A are listed. This is the complete published station set. In other months, the list contains only those stations from which data no more than two months old have been recently received.

Included in this publication, on an interim basis, are a group of Antarctic and USA stations that are not in WMO No. 9. These stations will be sponsored as CLIMATE and/or CLIMAT TEMP stations in the near future.

SURFACE DATA TABLES

DAYS OBS.:	The number of days on which observations were taken. Column will be blank if days are not reported.
PRESSURE:	Mean station pressure at station level and sea level in tenths of mb. In the sea level pressure column, Y or Z indicates the number is the mean height in gpm of the 850 mb or 700 mb pressure surface, respectively.
TEMPERATURE:	Mean temperature and departure from AVERAGE value in degrees C. "S" indicates sea surface temperature.
DAYS 1 MM:	The number of days on which precipitation was 1 mm or more.
PRECIPITATION:	Total precipitation and departure from AVERAGE in mm. "T" indicates an amount less than 0.5 mm.
QUINTILE:	Frequency group of precipitation totals. Group numbers are 0 - 6. Groups 0 and 6 are for totals less than and greater than any recorded in the 1951 - 1980 reference period.
% OF AV.:	Sunshine total hours expressed as a percentage of long-term average. Currently, average period is 1931-60.

In January 1987, the "Sunshine" column was changed to include both total sunshine in hours and the percentage of long-term average.

UPPER AIR DATA TABLES

HEIGHT:	Mean height of pressure surfaces in gpm. Asterisk (*) indicates station elevation.
VECTOR WIND:	Direction of mean vector wind in degrees, speed in mps. A wind speed value of 0 is a speed < 0.5 mps. When missing days equals 9, nine or more days of wind data are missing.
STEADINESS:	Ratio of mean vector wind speed to mean scalar wind speed.
OB:	Observation time code: 1 = 0000 GMT, 2 = 1200 GMT, 3 = 0000 and 1200 GMT, / = other hours.

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PUBLICATION STAFF

J. D. Ziemianski, Supervisory Meteorological Technician

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAY 1 MM	TOTAL MM	DEPARTURE h	QUINTILE				
EUROPE																		
NORWAY																		
01001 JAN MAYEN	7056N	00840W	9	1008.3	1009.5	0.4	-0.1	5.2	0.4	7	46	-39	2					
01008 SVALBARD LUFTHAVN	7815N	01528E	29	1004.1	1007.8	-9.2	2.1			2	10							
01025 TROMSO/LANGNES	6941N	01855E	10	1006.9	1008.0	2.7	-0.5	6.0	0.4	26	203	73	5					
01028 BJORNØYA	7431N	01901E	14	1004.1	1005.9	-3.1	-2.8	4.0	-0.9	12	62	19	5					
01098 VARDØ	7022N	03106E	15	1002.5	1004.2	2.3	0.1	5.7	-0.1	15	71	20	5					
01152 BODO VI	6716N	01422E	13	1008.3	1009.8	5.2	0.0	6.8	0.5	20	119	-26	2					
01241 ORLAND III	6342N	00936E	7	31	1011.1	1012.2	6.8	0.1	8.3	0.5	18	71	-54	2				
01317 BERGEN/FLORIDA	6023N	00520E	36	31	1008.9	1013.3	8.1	-0.2	8.6	-0.5	19	171	-83	3	93			
01384 OSLO/GARDERMOEN	6012N	01105E	204	31	990.5	1015.6	3.0	-1.4	6.3	-0.6	8	79	-14	3				
01415 STAVANGER/SOLA	5853N	00538E	9	31	1013.0	1014.0	8.2	-0.5	8.2	-0.4	14	119	-13	3				
SWEDEN																		
02080 KARESUANDO	6827N	02230E	327	968.3	1008.4	-0.8	1.1	5.0	0.4	10	38	-1	3					
02128 GUNNARN	6501N	01741E	281	978.5	1013.1	0.9		5.7		9	45		4					
02196 HAPARANDA	6550N	02409E	6	1009.8	1010.6	2.4	0.4	6.0	0.1	7	48	-4	3					
02226 OSTERSUND/FROSON	6311N	01430E	366	969.5	1014.0	3.5	0.1	6.6	0.2	6	22	-22	1					
02418 KARLSTAD FLYGPLATS	5922N	01328E	55	1009.5	1016.3	5.0	-1.7	8.1	0.0	8	94	30	4					
02464 STOCKHOLM/BROMMA	5921N	01757E	11	1015.6	1017.0	5.6	-1.8	7.7	-0.5	6	42	-9	3					
02512 GOTEBORG/SAVE	5747N	01153E	53	1009.8	1016.2	6.9	-1.9	8.3	-0.8	12	81	5	4					
02550 JONKOPING FLYGPLATS	5746N	01405E	232	988.7	1017.1	5.0	-2.1	8.0	-0.4	12	92	37	4					
02590 VISBY FLYGPLATS	5740N	01821E	47	1012.2	1018.0	7.3	-1.1	9.2	0.5	6	33	-17	3					
FINLAND																		
02801 KILPISJARVI	6903N	02047E	476	950.2	1008.7	-0.5		5.0		14	31		2					
02805 KEVO	6945N	02702E	101	994.5	1007.1	-0.8		5.2		9	25		2					
02836 SODANKYLA	6722N	02639E	179	986.8	1009.2	-0.2	0.6	5.1	0.2	10	64	18	5					
02869 KUUSAMO	6558N	02911E	263	977.4	1010.1	0.4	-0.4	5.7		12	42	-15	2					
02875 OULU	6456N	02522E	15	1010.0	1011.8	3.1	-0.5	7.0		6	23	-25	1					
02897 KAJAANI	6417N	02741E	136	995.6	1012.5	2.4	0.5	6.3	0.4	6	30	-13	3					
02911 VAASA	6303N	02146E	4	1012.5	1013.6	4.6	0.4	7.6	0.8	11	52	0	3					
02929 JOENSUU	6240N	02938E	117	999.1	1013.8	3.2	-0.7	6.5		10	50	-15	2					
02935 JYVASKYLA	6224N	02541E	145	996.1	1014.2	2.6	-0.6	6.8	0.4	9	49	-6	3					
02942 NIINISALO	6151N	02228E	136	998.3	1015.2	3.7		7.0		7	39		2					
02958 LAPPEENRANTA	6105N	02809E	106	1002.4	1015.7	3.9	-1.0	7.3		10	79	13	4					
02963 JOKIOINEN	6049N	02330E	103	1003.4	1016.2	4.2	-0.2	7.4	0.3	10	96	41	5					
02972 TURKU	6031N	02216E	59	1009.1	1016.4	5.3	-0.2	7.8	0.3	9	74	12	4					
02974 HELSINKI-VANTAA	6019N	02458E	56	1009.6	1016.7	4.6	-0.9	7.3	0.1	7	88	22	4					
UNITED KINGDOM																		
03005 LERWICK	6008N	00111W	84	1001.5	1011.5	8.4	0.1	9.8	0.1	20	177	63	5	44				
03026 STORNOWAY	5813N	00619W	13	1007.9	1009.6	9.1	-0.3	10.1	-0.7	17	136	12	4	70				
03091 ABERDEEN/DYCE	5712N	00213W	65	1003.9	1011.7	9.1	-0.1	10.1	0.0	14	151	75	5	74				
03100 TIREE	5630N	00653W	12	1008.6	1009.7	10.1	-0.5	10.7	-0.4	20	135	10	3	83				
03160 EDINBURGH AIRPORT	5557N	00321W	41	1007.3	1011.7	9.1	-0.6	10.1	0.0	13	59	2	4	83				
03162 ESKDALEMUIR	5519N	00312W	242	982.8	1012.1	8.2	-0.1	9.8	-0.1	20	174	34	4	81				
03257 LEEMING	5418N	00132W	40	1009.0	1012.9	10.1	0.2	10.6	0.3	11	91	43	5	93				
03302 VALLEY	5315N	00432W	11	1010.3	1011.7	11.3	-0.4	10.9	-0.2	14	82	-6	3	123				
03334 MANCHESTER AIRPORT	5321N	00216W	78	1003.6	1012.8	10.3	-0.3	10.5	-0.3	14	66	-3	3	109				
03377 WADDINGTON	5310N	00031W	70	1004.8	1013.4	10.3	-0.1	10.7	-0.4	7	34	-14	3	108				
03534 BIRMINGHAM/AIRPORT	5227N	00144W	99	1001.5	1013.5	10.0	-0.1	10.6	0.2	8	32	-20	2	98				
03715 CARDIFF-WALES AIRPORT	5124N	00321W	67	1005.2	1013.1	11.3	0.0	11.6	0.4	15	118	39	4	119				
03776 LONDON/GATWICK AIRPORT	5109N	00011W	62	1007.7	1014.7	11.5	0.8	11.5	0.3	10	65	3	3	117				
03827 PLYMOUTH/MOUNT BATTEN	5021N	00407W	27	1009.5	1012.9	12.5	0.5	12.6	0.2	14	138	49	5	104				
03862 BOURNEMOUTH AIRPORT	5047N	00150W	11	1012.6	1013.9	11.4	0.2	12.2	0.9	10	119	48	4	117				
03917 BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81	1002.3	1010.7	10.0	-0.1	10.6	-0.4	15	98	17	4	97				
IRELAND																		
03953 VALENTIA OBSERVATORY	5156N	01015W	14	1007.5	1009.2	11.4	-0.3	11.8	-0.4	19	266	124	5	87				
03955 CORK AIRPORT	5151N	00829W	162	990.7	1010.3	10.1	-0.4	11.4	-0.3	20	238	121	6	61				
03962 SHANNON AIRPORT	5242N	00855W	20	1007.5	1009.8	11.1	-0.1	11.4	-0.4	18	115	31	4	98				
03969 DUBLIN AIRPORT	5326N	00615W	85	1000.6	1010.9	10.7	0.0	10.9	-0.3	12	79	11	4	97				
03976 BELMULLET	5414N	01000W	10	1007.6	1008.8	10.4	-0.7	11.2	-0.4	20	127	11	4	108				
03980 MALIN HEAD	5522N	00720W	25	1006.5	1009.6	10.8	-0.2	10.8	-0.3	18	113	8	4	79				

EUROPE-ICELAND

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
EUROPE	0°	0°	#	#b	#b	#b	#C	#C	#b	#b	#b	#b	#b	#b
ICELAND														
04018 KEFLAVIK	6358N	02236W	54	1002.1	1008.7	4.7	-0.4	7.4	-0.5	16	110	-14	3	
04030 REYKJAVIK	6408N	02154W	61	1001.3	1008.9	4.5	-0.4	6.8	-0.9	16	108	13	4	83 117
04063 AKUREYRI	6541N	01805W	27	1006.2	1009.6	3.0	-0.5	6.5	0.1	9	34	-22	2	38 75
04082 HJARDARNES	6415N	01511W	12	1008.2	1009.5	3.5	-1.5	6.6	-0.6	10	152	-36	3	
DENMARK (GREENLAND)														
04220 EGEDESMINDE	6842N	05245W	47	1004.5	1010.5	-0.9	1.0	4.7	0.7	11	54	21	5	
04250 GODTHAB	6410N	05145W	48	1008.2	1011.7	0.5	0.7	4.9	0.3	10	72	-1	3	
04312 NORD ADS	8136N	01640W	34	1006.7	1011.6	-17.5		1.1		4	11			
04320 DANMARKSHAVN	7646N	01840W	12	1010.9	1012.5	-12.5	0.7	1.3	-0.3	0	1	-13	1	
04340 KAP TOBIN	7025N	02158W	42	1004.7	1013.1	-4.5	1.5	2.8	0.1	4	10	-50	1	
04360 ANGMAGSSALIK	6536N	03738W	52	1005.9	1010.5	-0.4	0.1	4.4	-0.1	8	62	-24	3	
DENMARK & FAROE IS.														
06011 THORSHAVN	6201N	00646W	39	1005.7	1010.5	7.3	-0.3	9.8	0.6	21	133	-36	2	
06030 ALBORG	5706N	00952E	3	1015.3	1015.7	8.0	-0.8	8.8	-1.0	9	61	0	3	
06186 KOBENHAVN/LANDBOHOJSKOLEN	5541N	01233E	9	1016.4	1017.0	9.1	-0.6	9.5	-0.7	8	57	1	3	
06190 RONNE	5504N	01445E	16	1016.0	1018.0	9.0		8.5		9	41		2	
NETHERLANDS														
06260 DE BILT	5206N	00511E	4	1015.6	1016.1	10.9	0.6	11.4	0.5	10	59	-9	3	72 70
BELGIUM														
06447 UCCLE	5048N	00421E	104	31	1003.4	1015.5	11.5	0.8	12.0	0.9	11	73	9	4 90
LUXEMBOURG														
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379	31	971.9	1017.0	9.9	0.7	10.6	0.6	9	95	37	5 86
SWITZERLAND LIECHTENSTEIN														
06660 ZURICH (TOWN/VILLE)	4723N	00834E	569		952.6	1019.5	10.7	1.7	11.2	1.6	12	113	41	4 83 77
06680 SAENTIS	4715N	00921E	2500		753.1	3089	2.9	2.6	5.3	1.0	13	201	43	4 165 101
06700 GENEVE-COINTRIN	4615N	00608E	416		970.1	1019.3	11.6	1.8	11.6	2.0	11	156	84	5 96 80
06770 LUGANO	4600N	00858E	276		986.8	1019.6	13.9	1.6	13.5	2.4	9	222	52	4 117 80
FRANCE														
07024 CHERBOURG	4939N	00128W	138		997.5	1014.0	11.7	0.0	11.8	0.1	11	97	10	3 91
07110 BREST/GUIPAVAS	4827N	00425W	103		1000.6	1013.0	12.8	0.7	12.8	0.4	11	89	-14	3 122 98
07150 PARIS/LE BOURGET	4858N	00227E	65				12.2	1.1			11	74	27	5 110 93
07180 NANCY/ESSEY	4841N	00613E	217		992.0	1018.2	11.1	1.6	11.5	1.2	13	89	38	5 82 69
07190 STRASBOURG	4833N	00738E	154		1000.1	1018.5	11.3	1.6	12.5	2.2	12	79	41	5 76 68
07222 NANTES	4710N	00136W	27		1011.6	1014.9	14.0	1.6	13.8	1.3	11	49	-23	2 131 99
07255 BOURGES	4704N	00222E	166		996.2	1016.0	12.6	1.3	12.7	1.6	9	34	-24	2 124 90
07280 DIJON	4716N	00505E	227		991.0	1018.2	11.7	1.1	12.4	1.8	13	87	31	5 115 78
07434 LIMOGES	4552N	00111E	402		969.2	1016.5	12.5	1.3	11.4	1.0	11	72	-9	3 162 115
07480 LYON/BRON	4543N	00457E	201		994.0	1018.0	13.8	2.3	13.1	2.0	12	160	83	5 104 78
07510 BORDEAUX/MERIGNAC	4450N	00042W	61								11	49	-33	3 180 122
07630 TOULOUSE/BLAGNAC	4338N	00122E	153		998.1	1016.3	15.6	2.4	14.1	2.0	2	23	-27	2 181 116
07645 NIMES/COURBESSAC	4352N	00424E	62		1010.4	1017.9	16.2	1.7	14.7	2.9				139 76
07650 MARSEILLE/MARIGNANE	4327N	00513E	36		1013.0	1017.3	17.3	2.0	15.7	3.0	8	59	-25	3 157 81
07690 NICE	4339N	00712E	10		1016.5	1017.7	18.1	2.1	16.1	2.7	5	109	-4	4 167 83
07747 PERPIGNAN	4244N	00252E	48		1011.7	1017.4	16.9	1.2	14.4	1.6	2	10	-73	1 169 92
07761 AJACCIO	4155N	00848E	9		1016.4	1017.1	18.6	2.6	16.5	2.1	7	71	-15	3 221 107
SPAIN														
08001 LA CORUNA	4322N	00825W	67		1005.8	1013.8	16.2	0.6	13.2	-0.8	14	114	22	4 142 91
08141 VALLADOLID	4139N	00446W	735		814.1	930.8	15.6	3.1	10.3	0.6	6	26	-15	3 185 95
08160 ZARAGOZA/AEROPUERTO	4140N	00101W	258		985.9	1016.9	16.4	1.3	14.0	4	51	12	4 189 55	
08181 BARCELONA/AEROPUERTO	4117N	00204E	6		1015.0	1015.8	18.5		16.9	7	33		2	151 85
08222 MADRID	4025N	00341W	667		941.0	1017.2	15.5	1.3	11.6	1.0	9	79	25	4 196 95
08306 PALMA DE MALLORCA/SON SAN J.	3933N	00244E	8		1016.4	1023.0	20.5	1.4	18.9	5	17	-144	0 207 100	
08314 MENORCA/MAHON	3952N	00414E	82		1006.9	1016.7	20.9	2.6	18.9	3.7	3	26	-96	1 176 105
08329 BADAJOZ	3853N	00658W	195		994.6	1015.0	17.8	0.4	13.2	-0.8	8	48	-12	3 192 89
08359 ALICANTE	3822N	00030W	82		1006.6	1016.2	20.8	1.8	17.1	2.4	4	67	-1	3 241 112
08390 SEVILLA/TABLADA	3722N	00600W	14		1012.9	1014.6	20.1	0.8	17.0	2.4	6	86	18	4 174 84
08487 ALMERIA/AEROPUERTO	3651N	00223W	21		1012.4	1014.9	21.0		17.3	5	66	5	219	95

EUROPE-GIBRALTAR

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN- SHINE	
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DEPARTURE	QUINTILE	TOTAL	% OF AV.
EUROPE	0°	0°	8	mb	mb	°C	°C	mb	mb	mm	mm	hr	%
GIBRALTAR													
08495 GIBRALTAR	3609N	00521W	5	1016.0	1016.4	19.9	0.6	18.0	1.1	6	103	39.5	184.86
PORTUGAL													
08506 HORTA (ACORES)	3831N	02838W	62	1010.7	1018.0	19.2		16.5		15	104	3	159.110
08513 PONTA DELGADA (ACORES)	3745N	02540W	36	1013.0	1017.3	19.4		17.6		13	111	4	172.125
08515 SANTA MARIA (ACORES)	3658N	02510W	100	1005.5	1017.4	19.9	0.5	16.5	-0.5	10	46	-51.1	
08535 LISBOA	3843N	00909W	95	1005.3	1016.4	19.0		15.5		10	82	4	200.85
08546 PORTO/SERRA DO PILAR	4108N	00836W	100	1003.0	1014.9	16.1		13.7		12	158	5	155.80
GERMAN DEMOCRATIC REPUBLIC													
09170 WARNEMWENDE	5411N	01205E	10	1016.2	1017.4	9.6	-0.1	10.1	-0.3	8	35	-8.3	120.105
09184 GREIFSWALD	5406N	01324E	6	1017.1	1017.9	9.1	0.0	9.5	-0.5	10	43	-4.3	124.110
09379 POTSDAM	5223N	01304E	100	1006.4	1018.6	9.6	0.5	9.7	-0.2	5	13	-28.1	110.90
09393 LINDENBERG	5213N	01407E	112	1005.0	1018.7	9.5	0.4	9.5	-0.1	6	15	-27.2	123.100
09469 LEIPZIG-SCHKEUDITZ	5125N	01214E	133	1001.2	1018.5	10.0	0.6	10.0	0.2	6	16	-27.1	86.90
09488 DRESDEN-KLOTZSCHE	5108N	01347E	226	991.7	1019.2	10.0	0.9	9.6	0.0	5	13	-44.1	91.75
09499 GOERLITZ	5110N	01457E	238	990.5	1019.5	9.2	0.4	9.4	0.0	4	14	-36.1	111.90
09548 MEININGEN	5034N	01023E	453	964.6	1018.8	8.7		9.2		8	33		71
09554 ERFURT-BINDERSLEBEN	5059N	01058E	323	979.8	1018.9	9.7	1.2	10.0	0.7	3	15	-26.1	86.80
09578 FICHTELBERG	5026N	01257E	1215	879.7	1494 Y	5.1	0.8	8.2	1.4	13	43	-34.2	96.90
GERMANY, FEDERAL REPUBLIC OF													
10035 SCHLESWIG	5432N	00933E	48	1010.8	1016.7	9.0	-0.2	10.2	0.3	9	118	36.5	77.75
10147 HAMBURG-FUHLSBUETTEL	5338N	01000E	16	1015.0	1017.0	9.7	0.3	10.1	0.3	11	58	0.3	84.84
10203 EMDEN-HAFEN	5321N	00712E	12	1014.6	1016.1	10.1	0.1	10.8	0.6	12	66	-2.3	83.85
10338 HANNOVER	5228N	00942E	54	1010.8	1017.4	9.7	0.3	10.5	0.6	5	27	-17.2	79.75
10384 BERLIN-TEMPELHOF	5228N	01324E	49	1012.4	1018.4	10.3	0.5	9.7	0.3	6	21	-21.2	115.100
10410 ESSEN	5124N	00658E	161	997.3	1016.8	11.0	0.6	11.4	1.3	8	64	-1.3	87.89
10438 KASSEL	5118N	00927E	233	989.8	1017.9	9.9	0.3	10.3	0.8	5	28	-23.2	65.63
10628 GEISENHEIM	4959N	00757E	120	1003.0	1017.5	11.0	1.3	11.2	1.5	9	57	19.5	64.65
10739 STUTTGART/SCHNARRENBERG	4850N	00912E	311	981.3	1018.4	11.3	1.6	11.5	2.1	11	51	17.4	91
10763 NUERNBERG	4930N	01105E	312	981.5	1018.8	10.7	2.1	10.5	1.6	8	60	16.5	89.71
10866 MUENCHEN-RIEM	4808N	01142E	529	956.2	1018.7	10.1	1.9	11.1	2.4	10	50	-8.3	83.65
10929 KONSTANZ	4741N	00911E	447	965.8	1018.6	10.8		11.3		14	91	5	89.90
10961 ZUGSPITZE	4725N	01059E	2962	711.0	3086 Z	-0.7	1.8	4.8	1.4	9	66	-54.3	166.94
AUSTRIA													
11028 ST. POELTEN	4812N	01537E	282	985.3	1020.0	10.4	1.6	10.4	1.3	5	23	-16.2	124.110
11035 WIEN/HOHE WARTE	4815N	01622E	209	995.2	1020.8	10.5	0.6	10.4	0.8	4	11	-33.1	131.102
11120 INNSBRUCK-FLUGHAFEN	4716N	01121E	598	947.3	1018.7	11.4	2.5	9.7	1.2	8	35	-25.2	145.100
11146 SONNBLICK	4703N	01257E	3107	698.3	3086 Z	-1.7	2.1	4.5	0.9	9	65	-48.2	156.106
11150 SALZBURG-FLUGHAFEN	4748N	01300E	450	965.1	1018.4	11.3	2.6	10.9	1.7	8	77	10.4	116.86
11155 FEUERKOGEL	4749N	01344E	1621	842.2	1518 Y	7.9		7.7		9	112	2	163.110
11212 VILLACHERALPE	4636N	01340E	2160	788.4	1538 Y	3.9		6.6		8	72	2	147.95
11231 KLAGENFURT-FLUGHAFEN	4639N	01420E	452	965.4	1021.0	9.8	1.8	10.5	1.6	7	50	-26.2	106.90
11240 GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347	979.0	1021.5	9.7	1.2	11.5	2.3	9	77	16.4	73.55
CZECHOSLOVAKIA													
11406 CHEB	5005N	01224E	471 31	963.4	1017.0	8.7	1.2	9.9	1.4	7	30	-9.3	70
11518 PRAHA/RUZYNE	5006N	01417E	369 31	975.5	1019.8	8.8	0.6	9.4	0.7	6	20	-18.2	80
11520 PRAHA-LIBUS	5000N	01427E	304 31	983.2	1019.9	9.9	2.2	9.6	1.1	5	17	-15.2	73
11723 BRNO/TURANY	4909N	01642E	246 31	991.5	1021.5	9.4	0.5	8.7	-0.1	6	19	-13.2	91
11782 OSTRAVA/MOSNOV	4941N	01807E	256 31	990.0	1021.4	8.5	-0.1	8.5	-0.3	7	21	-25.2	132
11903 SLIAC	4838N	01909E	318 31	984.3	1023.1	7.7	-0.5	8.1	-0.7	2	21	-31.1	127
11934 POPRAD/TATRY	4904N	02015E	707 31	938.4		5.8	-0.7	6.8	-0.6	2	5	-36.1	133
POLAND													
12120 LEBA	5445N	01732E	2	1018.3	1018.6	8.8		9.6		5	17		
12160 ELBLAG	5410N	01926E	43	1015.1	1020.4	8.2		8.6		4	13		
12205 SZCZECIN	5324N	01437E	3	1017.7	1018.5	9.3	0.3	9.6	-0.3	7	16	-24.2	
12295 BIALYSTOK	5306N	02310E	151 31	1004.1	1022.9	6.1	-1.1	7.8	-0.8	4	8	-43.1	
12330 POZNAN	5225N	01650E	92 31	1009.0	1019.3	9.0	0.4	9.0	-0.4	1	6	-33.1	
12375 WARSZAWA-OKECIE	5210N	02058E	107	1009.0	1022.2	7.7	-0.5	8.4	-0.7	1	4	-35.1	
12424 WROCŁAW II	5106N	01653E	121	1005.4	1020.2	9.1	0.3	9.5	-0.1	4	12	-30.1	
12497 WŁODAWA	5133N	02332E	179	1001.7	1023.7	6.7		8.1		2	6		

EUROPE-POLAND

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
EUROPE	0°	0°	3	mb	mb	°C	°C	mb	mb							
POLAND																
12695 PRZEMYSŁ	4948N	02246E	280	989.3	1023.6	7.8	-0.9	8.3	-0.8	4	15	-32	2	191	145	
HUNGARY																
12772 MISKOLC	4808N	02048E	119	1007.8	1023.0	8.1	-1.3	8.8	-0.3	3	7	-32	2	161	111	
12840 BUDAPEST/METEOROLOGIA	4731N	01902E	129	1006.6	1022.3	10.9	-0.5	9.5	0.1	3	11	-32	2	183	123	
12843 BUDAPEST/LORINC	4726N	01911E	139	1005.0	1022.0	10.2	-0.7	9.7	0.3	3	13	-26	2	211	140	
12882 DEBRECEN	4729N	02138E	112	1008.3	1022.6	9.5	-0.6	9.7	0.3	2	14	-19	2	168	110	
12942 PECS	4600N	01814E	203	997.1	1021.6	10.7	-0.5	9.1	-0.3	6	58	19	4	168	110	
12982 SZEGED	4615N	02006E	83	1012.1	1021.3	10.3	-0.5	8.8	-0.8	4	18	-12	3	175	105	
YUGOSLAVIA																
13015 LJUBLJANA/BEZIGRAD	4604N	01431E	316	983.4	1021.3	11.5		11.9		9	101	2	79	70		
13129 ZAGREB/GRIC	4549N	01559E	162	1001.5	1021.1	11.4	-0.2	11.0	1.0	9	99	30	4	104	80	
13274 BEograd	4448N	02028E	132	1005.5	1021.5	11.9	-0.4	9.3	-0.5	7	22	-23	3	177	100	
13334 SPLIT/MARJAN	4331N	01626E	128	1003.7	1018.8	17.3	0.6	12.0	0.8	7	119	46	4	200		
13462 TITOGRAD/GOLUBOVCI	4222N	01915E	33	1013.2	1019.2	16.2	0.5	12.5	2.0	7	75	-113	2	210	116	
13586 SKOPJE-Petrovac	4158N	02139E	239	982.4	1011.0	11.9	-0.6	9.5	-0.6	5	30	-14	3			
ROMANIA																
15085 BISTRITA	4709N	02431E	367	31	979.2	1023.9	6.5	-1.7	7.9	-0.8	3	13	-30	2		
15090 IASI	4710N	02738E	104	31	1011.1	1023.9	7.8	-2.3	8.2	-1.3	3	14	-12	2	140	
15120 CLUJ-NAPOCA	4647N	02334E	413	31	973.2	1022.9	7.8	-0.8	8.7	-0.2	3	15	-20	1	136	
15247 TIMISOARA	4546N	02115E	88	31	1012.0	1022.7	10.3	-0.6	9.5	-0.5	8	23	-14	2	122	
15260 SIBIU	4548N	02409E	444	31	969.9	1023.6	7.2	-2.1	9.2	0.2	5	42	-1	4	100	
15360 SULINA	4509N	02940E	9	31	1020.6	1021.7	12.5	-0.6	11.1	-1.2	3	16	-6	3	84	
BULGARIA																
15511 LOM	4349N	02315E	33	1019.2	1023.4	10.0	-2.0	9.6		7	50	21	4	149	100	
15552 VARNA	4312N	02755E	43	1016.5	1021.7	11.8	-1.7	10.7							120	75
15614 SOFIA (OBSERV.)	4239N	02323E	595	952.1	1022.5	9.4	-1.2	8.1		23	27	-11	3	172	100	
15655 BURGAS	4229N	02729E	28	1018.3	1021.7	12.0	-2.2	10.7		4	55	1	3	139	90	
ITALY																
16045 UDINE/RIVOLTO	4559N	01302E	53	1013.4	1019.8	14.8	1.6	12.7	1.5						113	
16090 VERONA/VILLAFRANCA	4523N	01052E	68	1011.1	1019.3	15.6	2.7	15.4	3.3	17	98	24	4			
16110 TRIESTE	4539N	01345E	20	1016.6	1019.0	16.4	1.5	11.3	0.5	6	26	-62	1	144	55	
16158 PISA/S. GIUSTO	4341N	01023E	1	1017.7	1018.4	17.6	2.6	16.0	3.3	8	70	-54	2	141	80	
16191 FALCONARA	4337N	01322E	10	1017.1	1018.4	17.1	1.6	16.2		4	10				150	95
16230 PESCARA	4226N	01412E	11	1016.7	1017.9	17.3	2.3	15.5	2.1						145	85
16242 ROMA/FIUMICINO	4148N	01214E	3	1017.3	1017.7	18.2	1.8	17.9	3.6	7	99	17	4			
16320 BRINDISI	4039N	01757E	10	1017.0	1018.2	18.9	0.9	17.3	1.2	4	27	-46	2	199	95	
16325 MARINA DI GINOSA	4026N	01653E	12	1016.2	1017.2	19.2	2.2	16.2	1.3	6	42	-14	3			
16520 ALGHERO	4038N	00817E	40	1014.6	1018.0	18.7	0.8	18.0	2.6	7	46	-31	3	186	95	
16560 CAGLIARI/ELMAS	3915N	00903E	18	1017.1	1017.7	20.1	2.3	21.2	5.5	5	22	-39	2	191	100	
MALTA																
16597 LUQA	3551N	01429E	91	31	1010.7	1019.4	21.5	1.1	19.6	2.0	5	33	-124	1	107	
TURKEY																
17030 SAMSUN	4117N	03620E	4	1017.6	1018.0	15.6	-0.2	14.3	0.6	16	257	182	6		27	
17050 EDIRNE	4140N	02634E	48	1015.6	1021.8	12.4	-1.5	10.2	-0.7	2	17	-38	2		47	
17062 ISTANBUL/GOZTEPE	4058N	02905E	40	1015.7	1019.7	14.3	-1.1	13.5	0.5	10	65	3	3		33	
17074 KASTAMONU	4122N	03346E	799	925.7	1018.5	9.3	-1.1	9.2	0.1	13	116	84	6		26	
17090 SIVAS	3945N	03701E	1285	873.2	1017.4	10.3	-0.2	8.9	1.3	11	75	50	5		23	
17092 ERZINCAN	3944N	03930E	1215	880.2	1016.1	11.6	-0.6	9.7	1.4	11	131	97	6		48	
17112 CANAKKALE	4008N	02624E	3	1019.3	1019.9	14.8	-0.9	13.2	-0.1	4	42	-10	3		58	
17116 BURSA	4011N	02904E	100	1007.5	1019.4	14.4	-0.4	11.0	-1.3	12	54	2	4		41	
17130 ANKARA/CENTRAL	3957N	03253E	894	915.3	1018.5	11.0	-1.7	9.3	1.0	11	75	51	5		40	
17190 AFYON	3845N	03032E	1034	900.5	1018.1	10.6	-1.3	8.7	0.0	6	63	28	5		46	
17220 IZMIR	3826N	02710E	25	1013.6	1016.6	17.9	-0.6	12.9	-0.7	2	5	-38	1		63	
17240 ISPARTA	3745N	03033E	997	903.0	1016.1	11.5	-1.5	8.6	-0.2	7	51	12	4		60	
17270 URFA	3708N	03846E	547	950.8	1013.3	18.3	-1.7	13.3	3.7	7	123	98	5		66	
17280 DIYARBAKIR	3753N	04011E	677	937.8	1014.9	15.7	-1.7	11.4	1.6	8	85	58	5		62	
17292 MUGLA	3712N	02821E	646	940.7	1015.0	15.1	-0.7	10.9	0.3	4	21	-51	1		69	
17300 ANTALYA	3642N	03044E	57	1007.2	1012.1	18.4	-1.7	12.7	-1.9	7	121	49	4		64	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	TOTAL				
EUROPE																		
TURKEY																		
17352 ADANA	3659N	03518E	20	1011.1	1013.5	20.3	-0.5	15.1	-0.7	9	107	66	5	56				
USSR																		
22113 MURMANSK	6858N	03303E	46	999.8	1006.2	1.5	1.0	5.5	0.2	15	56	17	5	63				
22165 KANIN NOS	6839N	04318E	49	996.8	1002.9	2.1	0.6	6.1	0.5	11	33	-16	2	50				
22550 ARHANGEL'SK	6435N	04030E	13	1008.1	1009.1	2.9	1.6	6.8	1.2	14	62	8	4	75				
22837 VYTEGRA	6101N	03627E	59	1008.9	1015.8	4.8	1.8	7.2	0.8	14	61	-17	2	72				
26038 TALLIN	5925N	02448E	44	1013.6	1017.9	6.2	0.0	8.0	0.4	9	58	-1	3	127				
26063 LENINGRAD (TOWN/VILLE)	5958N	03018E	4	1016.4	1017.2	6.2	0.9	7.8	0.1	9	41	-20	2	120				
26477 VELIKIE LUKI	5623N	03036E	98	1009.0	1021.9	4.6	-0.3	7.2	-0.1	6	30	-19	2	142				
27037 VOLOGDA	5917N	03952E	118	1001.0	1017.1	3.9	1.2	7.0	0.7	9	39	-10	2	103				
27196 KIROV	5839N	04937E	164	997.0	1017.6	3.6	2.1	6.5	0.7	8	42	-13	2	93				
27595 KAZAN'	5547N	04911E	64	1006.6	1021.4	4.5	1.2	6.6	0.5	8	22	-21	1	112				
27612 MOSKVA	5545N	03734E	156	1003.2	1022.6	4.9	0.1	7.3	0.7	9	28	-28	1	1				
33345 KIEV	5024N	03027E	179	1004.3	1024.9	7.2	-0.7	7.4	-1.0	5	15	-24	2					
33393 L'VOV	4949N	02357E	325	984.6	1023.8	7.2	-0.5	7.9	-0.7	1	22	-27	2					
33837 ODESSA	4629N	03038E	64	1017.6	1022.8	9.9	-1.2	6.4	-3.4	5	63	43	5					
33946 SIMFEROPOL'	4501N	03359E	205	997.9	1019.8	9.8	-0.9	10.0	0.5	8	52	23	5					
34122 VORONEZ	5142N	03910E	164	1006.3	1024.7	6.1	0.3	7.3	0.3	3	10	-30	1	153				
34172 SARATOV	5134N	04602E	156	1000.8	1025.7	5.1	0.2	5.6	-0.7	1	6	-31	1	185				
34300 HAR'KOV	4956N	03617E	152	1005.6	1024.7	6.9	-0.4	7.9	-0.2	2	11	-22	2	199				
34731 ROSTOV-NA-DONU	4715N	03949E	77	1013.8	1023.0	9.5	0.4	8.0	-0.9	2	10	-27	1					
34880 ASTRAHAN'	4616N	04802E	18	1023.8	1026.3	9.7	0.4	7.7	-0.8	2	10	-6	2	225				
37050 PJATIGORSK	4403N	04302E	—	957.5	1021.4	8.3	-0.5	9.6	0.6	4	21	-13	2	105				
37549 TBILISI	4141N	04457E	490	970.6	1020.0	14.0	0.5	11.5	0.4	8	80	39	5	111				
ISRAEL																		
40180 BEN-GURION INTL AIRPORT	3200N	03454E	49	1009.6	1014.4	21.3	-0.8	15.8	-1.1	2	10	-16	3	289				
40184 JERUSALEM	3147N	03513E	809	928.8	1506	17.8	-2.6	14.4	2.1	3	8	-15	3	230				
40199 EILAT	2933N	03457E	13	1011.0	1012.1	25.8	-1.1	14.3	0.8	0	T	-1	5	297				
JORDAN																		
40250 H-4 'IRWAISHED'	3230N	03812E	688	31	935.6	1012.0	20.7	-0.3	11.5	2.1	2	5	-1	4				
40270 AMMAN AIRPORT	3159N	03559E	768	31	925.4	1012.6	19.2	-1.0	12.9	1.5	3	8	2	4				
40310 MA'AN	3010N	03547E	1070	31	887.8	1475	18.6	-1.1	12.9	4.1	0	T	-4	3				
ASIA																		
USSR																		
20046 POLAR GMD IM.E.T.KRENKEL JA	8037N	05803E	20	1001.9	1004.8	-16.2	-4.2	1.6	-1.4	5	19	-3	2	8				
20069 OSTROV VIZE	7930N	07659E	18	1001.5	1003.0	-16.3	-4.4	1.8	-0.5	7	19	-1	3	82				
20292 GMD IM.E.K. FEDOROVA	7743N	10417E	13	999.7	1001.7	-16.5	-3.6	1.8	-0.3	12	60	40	6	18				
20674 OSTROV DIKSON	7330N	08014E	20	995.5	1001.6	-9.6	-0.9	3.1	-0.2	11	36	8	4	22				
20891 HATANGA	7159N	10228E	24	998.8	1003.1	-12.5	0.5	2.6	0.4	7	33	5	4	59				
21432 OSTROV KOTEL' NYJ	7600N	13754E	10	1003.6	1004.6	-12.0	0.1	2.4	0.1	5	19	3	4	14				
21946 COKURDAH	7037N	14753E	48	1002.0	1010.0	-11.3	1.4	2.5	0.2	9	31	9	5	69				
21965 OSTROV CETYREH-STOLBOVOJ	7038N	16224E	6	1006.8	1012.1	-6.7	2.9	3.4	0.6	0	4	-12	0	160				
23146 MYS KAMENNYJ	6828N	07336E	—	1002.3	1003.4	-5.4	0.7	4.1	0.9	9	20	-32	2					
23205 NAR' JAN-MAR	6739N	05301E	7	1003.1	1004.4	-0.9	1.8	5.7	1.2	18	65	22	5	150				
23219 HOSEDA-HARD	6705N	05923E	84	994.5	1005.1	-2.1	3.0	5.2	1.3	14	33	-7	3	31				
23330 SALEHARD	6632N	06632E	35	1003.5	1005.5	-3.3	1.8	4.6	0.9	13	42	6	4	54				
23472 TURUHANSK	6547N	08757E	32	1002.9	1007.7	-4.6	1.5	4.3	0.8	23	89	31	5	51				
23552 TARKO-SALE	6455N	07749E	27	1003.1	1007.0	-3.9	2.0	4.7	1.0	17	54	12	4	63				
23724 NJAKSIMVOL'	6226N	06052E	50	1004.2	1010.5	1.1	4.1	5.6	1.1	11	44	-9	2	83				
23804 SYKTYVKAR	6140N	05051E	96	997.5	1012.3	2.9	2.6	6.6	1.4	14	58	3	3	64				
23884 BOR	6136N	09000E	63	1006.3	1013.6	-0.9	2.0	5.0	0.8	18	65	6	4	55				
23933 HANTY-MANSIJSK	6058N	06904E	40	1006.1	1011.9	1.1	2.6	5.7	0.9	13	36	-18	1	117				
24105 ESSEJ	6828N	10222E	271	971.3	1006.1	-10.7	2.8	2.9	0.5	5	12	-17	2	55				
24125 OLENEK	6830N	11226E	127	978.0	1006.4	-11.1	1.4	2.9	-0.2	17	41	16	6					
24143 DZARDZAN	6844N	12400E	45	1003.3	1007.9	-8.0	4.0	3.3	0.9	14	33	-3	4					
24266 VERHOJANSK	6733N	13323E	137	993.1	1010.9	-10.1	5.2	2.4	0.5	5	11	-3	4	112				
24507 TURA	6410N	10004E	186	987.5	1011.3	-5.0	2.1	3.6	0.7	4	13	-14	1	75				
24641 VILJUJSK	6346N	12137E	107	997.4	1011.5	-4.3	3.7	3.8	0.8	12	44	22	5	66				
24688 OJMJAON	6316N	14309E	726	923.4	1017.8	-14.8	1.9	1.7	-0.2	4	22	7	4	125				
24738 SUNTAR	6209N	11739E	124	995.7	1012.6	-2.5	3.9	4.4	1.4	12	40	19	6	73				

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	% OF AV.				
ASIA																		
USSR																		
24817 ERBOGACEN	6116N	10801E	291	977.9	1014.3	-2.5	3.6	4.3	1.3	10	37	7	4	52				
24959 JAKUTSK	6205N	12945E	103	1001.9	1014.8	-6.1	2.6	3.7	0.9	9	19	-2	3	96				
25173 MYS SMIDTA	6855N	17929W	7	1021.6	1022.2	-12.5	-3.8	3.6	0.7	1	6	-26	0	83				
25248 ILIRNEJ	6720N	16814E	426	971.0	1017.4	-14.1	-0.1	2.6	0.6	3	10	-3	3	100				
25325 UST'-OLOJ	6633N	15925E	125	996.8	1013.0	-7.3	4.2	3.0	0.6	4	14	-4	2	104				
25399 MYS UELEN	6610N	16950W	7	1013.1	1013.6	-2.6	-0.3	4.4	-0.3	5	14	-33	1	61				
25400 ZYRJANKA	6544N	15054E	43	1006.1	1011.8	-7.4	3.9	3.0	0.5	3	11	-9	2	106				
25563 ANADYR'	6447N	17734E	62	1005.8	1013.6	-3.8	2.7	4.3	0.9	6	20	4	4	124				
25703 SEJMCAN	6255N	15225E	207	986.4	1013.5	-7.4	4.4	2.8	0.4	0	2	-18	0					
25744 KAMENSKOE	6229N	16613E	8	1012.5	1013.8	-3.8	3.1	3.5	-0.2	3	15	-13	1	105				
25954 KORF	6021N	16600E	3	1012.6	1013.0	1.2	2.8	5.4	1.0	7	20	-25	2	156				
28225 PERM	5801N	05618E	161	996.9	1018.1	3.7	2.5	6.2	1.0	10	29	-25	1	76				
28275 TOBOL'SK	5809N	06811E	44	1009.9	1015.9	2.0	1.7	5.8	0.7	7	23	-16	2	321				
28440 SVERDLOVSK	5648N	06038E	237	984.8	1019.4	3.8	2.7	5.5	0.4			-5	3	104				
28698 OMSK	5456N	07324E	94	1005.4	1020.7	2.9	1.4	5.5	0.3	7	25	-5	3	138				
28952 KUSTANAJ	5313N	06337E	171	997.4	1017.0	1.0	-1.7	4.4	-0.3	2	6	-20	1					
29231 KOLPASEV	5818N	08254E	76	1007.5	1017.1	1.4	2.1	5.6	0.8	10	47	5	4	85				
29263 ENISEJSK	5827N	09209E	78	1008.0	1018.0	1.1	1.6	5.1	0.6	14	52	9	4	75				
29282 BOGUCANY	5825N	09724E	134	1001.5	1018.1	1.9	2.9	4.7	0.6	9	47	25	6	71				
29574 KRASNOJARSK	5600N	09253E	194	986.7	1020.8	2.6	1.6	4.9	0.4	11	39	4	4					
29838 BARNAUL	5320N	08342E	196	1000.3	1023.3	3.4	1.0	5.5	0.1	10	45	0	3	141				
29866 MINUSINSK	5342N	09142E	251	992.8	1024.1	3.1	1.5	5.2	0.2	2	7	-17	1					
30230 KIRENSK	5746N	10807E	258	986.9	1019.4	0.5	3.1	4.8	0.8	9	24	0	4	75				
30309 BRATSK	5604N	10150E	326	969.7	1020.7	2.4	2.8	5.3	0.9	3	9	-10	1	98				
30469 KALAKAN	5507N	11645E	613	944.2	1019.9	-3.7	2.7	3.3	0.6	0	1	-11	1	141				
30635 UST'-BARGUZIN	5326N	10859E	457	965.0	1021.3	2.4	3.0	5.2	1.1	7	16	-14	2					
30673 MOGOCA	5344N	11947E	619	942.5	1019.0	-1.9	2.5	3.6	0.7	2	7	-5	2	201				
30710 IRKUTSK	5216N	10421E	485	965.7	1023.1	2.7	2.0	5.6	1.2	4	17	-10	2	145				
30758 CITA	5201N	11320E	685	939.5	1020.9	0.4	2.0	3.9	0.6	1	2	-9	2	227				
31004 ALDAN	5837N	12522E	682	934.0	1017.4	-3.8	2.8	3.4	0.4	11	54	-3	3	114				
31088 OHOTSK	5922N	14312E	6	1009.8	1010.5	0.2	2.9	4.5	0.7	5	77	36	5	153				
31168 AJAN	5627N	13809E	9	1011.2	1012.1	1.8	1.5	4.7	1.0	6	63	-16	3	163				
31253 BOMNAK	5443N	12856E	357	971.6	1015.7	-0.1	3.0	4.3	1.0	3	7	-28	1	166				
31369 NIKOLAEVSK-NA-AMURE	5309N	14042E	47	1002.3	1010.7	3.0	1.4	6.3	1.0	11	88	35	5					
31416 IM POLINY OSIPENKO	5225N	13630E	73	1003.3	1012.3	2.0	0.6	5.8	1.8	9	46	11	4	132				
31510 BLAGOVESCIENSK	5016N	12730E	137	999.6	1015.9	4.3	2.0	5.0	0.8	4	14	-9	3					
31735 HABAROVSK	4831N	13510E	72	1001.0	1012.2	4.9	0.5	5.9	0.7	9	72	30	5	200				
31960 VLADIVOSTOK	4307N	13154E	138	993.3	1015.5	9.1	0.7	7.2	0.1	4	72	10	4	226				
32150 JUZNO-SAHALINSK	4655N	14244E	31	1006.4	1009.3	6.7	0.8	8.1	0.7	13	206	119	6	142				
32195 SIMUSIR	4651N	15152E	26	1004.3	1007.4	7.0	0.2	9.2	0.9	17	238	44	4	110				
32411 ICA	5542N	15538E	4	1007.7	1008.5	5.3	2.3	7.0	0.6	9	29	-87	0	84				
32540 PETROPAVLOVSK-KAMCatskij	5258N	15845E	7	1006.2	1009.2	6.3	1.5	7.5	1.6			147		90				
32618 NIKOL'SKOE (OSTROV BERINGA)	5512N	16559E	6	1009.1	1010.9	5.6	0.8	7.8	0.8	13	74	-5	3	141				
35121 ORENBURG	5145N	05506E	109	1010.4	1025.1	5.4	1.3	5.3	-0.6	1	2	-40	0	208				
35358 TURGAJ	4938N	06330E	123	1007.8	1024.6	6.3	1.3	4.2	-1.3	1	2	-23	1					
35394 KARAGANDA	4948N	07308E	555	958.5	1025.8	3.3	0.5	4.9	-0.1	3	15	-13	2	178				
35700 GUR'EV	4701N	05151E	-20	1027.2	1024.4	5.6	-2.6	5.7	-1.1									
35796 BALHAS	4654N	07500E	423	982.4	1025.1	6.5	0.6	5.5	-0.4	3	7	-5	3					
36177 SEMIPALATINSK	5021N	08015E	206	1000.5	1024.9	4.4	0.4	5.4	0.0	5	23	-2	3	181				
36870 ALMA-ATA	4314N	07656E	847	924.5	1023.6	8.6	-0.6	6.5	-0.4	5	40	-12	3	215				
38262 CIMBAJ	4257N	05949E	66	1015.0	1023.0	10.0	0.6	6.0	-1.3	2	3	-6	2	247				
38413 TAMDY	4144N	06437E	220	993.8	1022.3	13.0	0.2	5.3	-0.9	1	1	-12	3	273				
38457 TASKENT	4116N	06916E	428	964.1	1021.4	13.0	0.0	7.9	-0.3	3	16	-17	3	246				
38507 KRASNOVODSK	4002N	05259E	89	1009.6	1019.3	15.8	1.1	7.3	-2.3	1	5	-3	3	266				
38687 CARDZOU	3905N	06336E	193	997.6	1020.7	13.5	-0.7	9.5	2.2	0	T	-5	2	288				
38880 ASHABAD	3758N	05820E	228	993.1	1020.2	16.2	0.7	8.8	-0.8	1	1	-17	2	235				
SAUDI ARABIA																		
40356 TURAIF	3141N	03840E	818	921.1	1512	Y	25.1		10.2		3	61						
40357 ARAR	3054N	04108E	552	950.1	1011.7		23.7		11.4		2	4						
40360 GURIAT	3125N	03716E	504	955.2	1012.3		20.9		11.5		4	6			295			
40361 AL-JOUF	2947N	04006E	689	935.9	1012.2		25.9		9.3		4	13						
40362 RAFHA	2938N	04329E	447	961.2	1010.9		26.3		9.5		0	0						
40373 HAFR AL-BATIN	2820N	04607E	360	971.0	1011.1		28.4		8.9		0	0						
40375 TABUK	2822N	03638E	776	926.6	1012.1		23.0	-1.0	11.4	2.4								

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE				
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	TOTAL				
ASIA																		
SAUDI ARABIA																		
40394 HAIL	2726N	04141E	1013		1532	Y	25.1	0.9	13.7		0	0	-10	0				
40400 WEJH	2612N	03628E	21	1008.0	1010.4		26.3	0.4	23.4	0.0	0	0	T	6				
40405 GASSIM	2618N	04346E	650	938.3	1009.4		27.3	1.0	5.8		0	0	-1	0				
40416 DHAHREN	2616N	05009E	17	1008.6	1010.5		29.2	0.6	21.9	0.4	0	0	-1	0				
40420 AL AHSA	2517N	04929E	177	991.2	1011.6		30.9		13.6		0	0						
40430 MADINAH	2433N	03942E	636	939.1	1007.8		30.7	1.3	8.1	1.4	0	T	-1	4				
40437 KING KHALED INTL AIRPORT	2456N	04643E	612	945.0	1012.4		27.2		6.7		0	0						
40438 RIYADH	2443N	04643E	612	944.3	1012.0		28.9	2.8	7.1	0.1	0	0	-T	0				
40439 YENBO	2409N	03804E	6	1008.1	1008.8		29.2		24.7		0	0						
41024 JEDDAH(KING ABDUL AZIZ IAP)	2140N	03909E	18	1006.8	1007.6		29.1		28.4		0	T						
41030 MAKKAH	2129N	03950E	310	981.9	1016.3		31.7		23.6		0	0						
41036 TAIF	2129N	04033E	1454	856.4	1518	Y	23.7		12.3		1	1		294				
41062 SULAYEL	2028N	04537E	614	944.1	1014.2		29.2		8.9		0	0						
41112 ABHA	1814N	04239E	2093	793.9	1506	Y	18.1		10.1		0	0						
41114 KHAMIS MUSHAIT	1818N	04248E	2054	798.6	1512	Y	12.3		7.1		0	0		305				
41128 NAJRAN	1737N	04426E	1210	880.7	1525	Y	25.9		4.2		0	0		335				
41136 SHARURAH	1728N	04707E	722	931.0	1009.3		29.6		9.4		0	0		314				
41140 GIZAN	1654N	04235E	3	1007.7	1008.0		31.5		30.2		0	0						
KUWAIT																		
40582 KUWAIT INTL AIRPORT	2913N	04759E	55	1006.3	1012.9		28.5		15.8		0	0		277				
QATAR																		
41170 DOHA INTERNATIONAL AIRPORT	2515N	05134E	10	1010.2	1011.1		29.9		24.6		0	0		319				
UNITED ARAB EMIRATES																		
41216 ABU DHABI BATEEN AIRPORT	2426N	05428E	3	1010.3	1010.8		29.4		25.5		0	0	5	316				
41217 ABU DHABI INTL AIRPORT	2426N	05439E	27	31	1007.9	1010.7		29.0		23.7	0	0		105				
OMAN																		
41256 SEEB, INTERNATIONAL AIRPORT	2335N	05817E	15	1009.7	1011.3		29.8		22.4		0	0						
41268 SUR	2235N	05931E	5	1009.7	1011.2		30.5		23.9		0	0						
41288 MASIRAH	2040N	05854E	19	1009.7	1011.9		27.1		24.5		0	0		4				
41314 THUMRAIT	1740N	05402E	467	961.5			26.3		13.5		0	0						
41316 SALALAH	1702N	05405E	22	1009.2	1011.9		26.6		22.4		0	0		3				
PAKISTAN																		
41530 PESHAWAR	3401N	07135E	360	969.3	1008.7		23.8	0.1	15.1	-0.7	1	8	-4	106				
41560 PARACHINAR	3352N	07005E	1726	827.5	1499	Y	16.9	0.2	7.9	0.1	4	10	-24	2				
41598 JHELUM	3256N	07343E	234	982.5	1008.7		24.5	-0.6	18.3	0.5	2	9	2	4				
41620 ZHOB	3121N	06928E	1407	856.9	1481	Y	20.7	0.5	6.0	-1.8	0	0	-3	3				
41624 DERA ISMAIL KHAN	3149N	07055E	173	988.4	1008.3		25.5	-0.1	18.5	0.8	1	2	-3	4				
41640 LAHORE CITY	3133N	07420E	215	984.2	1008.4		26.1	0.5	18.9	0.9	2	44	33	5				
41660 QUETTA AIRPORT	3015N	06653E	1589	842.9	1519	Y	15.5	1.4	6.4	-0.3	0	0	-2	4				
41675 MULTAN	3012N	07126E	123	995.0	1008.5		26.2	-1.0	18.8	1.6	0	0	-1	4				
41712 DAL BANDIN	2853N	06424E	850	918.4	1516	Y	22.3	0.6	5.5	-0.2	0	0	-1	5				
41715 JACOBABAD	2818N	06828E	56	1001.7	1007.9		28.1	0.1	18.6	0.4	0	0	-3	4				
41739 PANJGUR	2658N	06406E	981	904.7	1511	Y	21.7	-0.2	6.4	-5.1	0	0	-1	5				
41765 HYDERABAD	2523N	06825E	30	1005.0	1009.0		30.6	1.0	20.6	1.9	0	0	-3	5				
41768 CHHOR	2531N	06947E	6	1007.5	1008.0		29.0	1.0	19.6	0.7	0	0	-5	4				
41780 KARACHI AIRPORT	2454N	06708E	22	1007.0	1009.0		28.7	0.9	23.2	1.0	0	0	-5	5				
INDIA																		
42027 SRINAGAR	3405N	07450E	1587	842.5	1510	Y	13.4	-0.5	10.1	-0.4	0	0	-39	1				
42071 AMRITSAR	3138N	07452E	234	982.5	1008.7		23.1	-1.3	20.4	0.5	1	5	-20	3				
42165 BIKANER	2800N	07318E	224		1008.1		28.0	0.7	14.2	0.0	1	26	20	5				
42182 NEW DELHI / SAFDARJUNG	2835N	07712E	216	31	984.1	1008.4		26.0	-0.2	18.2	0.7	0	0	-35	2			
42261 AGRA	2710N	07802E	169		1006.7					17.5		-1.6						
42295 DARJEELING	2703N	08816E	2128	23	788.4	1469	Y	17.7	2.9	18.9	4.8	0	0	-116	0			
42314 DIBRUGARH/MOHANBARI	2729N	09501E	111	31	996.7	1008.8		25.5	0.6	26.7	1.2	13	250	90	5			
42339 JODHPUR	2618N	07301E	224		984.3	1008.3		28.6	0.6	17.3	1.3	0	0	-8	4			
42391 DARBHANGA	2610N	08554E	49	31	1002.6	1008.1		27.0	0.2	25.6	-2.3	2	20	-45	3			
42410 GAUHATI	2606N	09135E	54		1002.1	1008.2		26.2	0.2	28.5	0.5	5	72	-12	3			
42452 KOTA AERODROME	2509N	07551E	274		978.3	1008.6		28.3	0.9	16.5	3.3	2	31	27	5			
42475 ALLAHABAD/BAMHRAULI	2527N	08144E	98				1007.9		26.3	-0.6	21.7		-1.7					

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	% OF AV.
ASIA	0°	0°	0											
INDIA														
42515 CHERRAPUNJI	2515N	09144E	1313	31	868.0	1493 Y	19.9	0.7	18.1	-0.4	10	876	391 4	
42587 DALTONGANJ	2403N	08404E	221	31	984.9	1009.7	26.0	0.0	20.2	-2.3	3	31	-16 3	
42647 AHMADABAD	2304N	07238E	55		1003.5	1009.7	28.5	0.1	23.3	2.8	0	1	-10 3	294 100
42671 SAGAR	2351N	07845E	551		947.7	1008.3	25.3	-0.3	15.1	-3.7	0	1	-48 2	
42731 DWARKA	2222N	06905E	11		1008.7	1009.9	28.3	0.7	30.7	2.2	0	0	-10 4	
42754 INDORE	2243N	07548E	567		946.5	1008.9	24.5	-0.5	16.9	0.8	3	113	77 5	
42867 NAGPUR SONEGAON	2106N	07903E	310		973.9	1008.7	26.1	-0.1	20.3	0.0	3	47	-4 4	277 107
42933 AKOLA	2042N	07702E	282		977.3	1008.9	25.7	-1.3	19.5	0.7	3	124	79 5	
42971 BHUBANESWAR	2015N	08550E	46		1002.9	1008.1	27.5	0.6	26.5	-1.8	4	91	-148	
43041 JAGDALPUR	1905N	08202E	553		947.5	1008.5	23.5	-1.5	21.1	-1.7	4	31	-74 1	
43057 BOMBAY/COLABA	1854N	07249E	11		1008.2	1009.4	28.5	0.0	29.4	0.3	4	239	174 5	241 96
43128 HYDERABAD AIRPORT	1727N	07828E	545		948.9	1008.5	25.7	0.5	18.1	-2.6	1	31	-58 2	279 116
43149 VISHAKHAPATNAM	1743N	08314E	3		1007.5	1007.9	28.3	0.3	27.5	-0.7	5	175	-51 3	
43185 MACHILIPATNAM (FRANCHPET)	1612N	08109E	3		1007.7	1007.9	28.3	0.7	28.2	-1.5	4	19	-195 0	
43192 GOA/PANJIM	1529N	07349E	60		1002.7	1009.4	27.5	-0.2	28.7	0.1	6	57	-54 3	
43295 BANGALORE	1258N	07735E	921		909.0	1504 Y	24.2	0.8	19.3	-1.2	3	10	-168 1	219 123
43314 KOZHIKODE	1115N	07547E	5		1009.5	1010.1	27.7	0.6	30.0	0.5	7	72	-218 2	
43333 PORT BLAIR	1140N	09243E	79		1000.2	1009.1	24.9	-1.5	28.8	-0.9	18	274	-31 3	180 100
43363 PAMBAN	0916N	07918E	11		1007.5	1008.8	29.9	1.8	30.0	-1.1	5	45	-140 1	
43369 MINICOY	0818N	07309E	2		1009.9	1010.1	28.8	1.7	28.6	1.6	1	31	-155 0	
SRI LANKA														
43413 MANNAR	0859N	07955E	3		1008.6	1009.6	29.0	1.2	32.5	3.7	1	3	0	
43466 COLOMBO	0654N	07952E	7		1009.5	1010.2	28.1	1.3	30.0	0.3	5	118	-278 0	
43497 HAMBANTOTA	0607N	08108E	20		1006.9	1009.1	28.1	0.9	29.2	1.0	4	11	-128 1	
HONG KONG														
45005 ROYAL OBSERVATORY	2218N	11410E	62		1004.4	1011.7	24.4	-0.6	23.5	0.5	9	62	-59 4	164 71
MACAU														
45011 MACAO	2212N	11332E	59		1005.1	1011.9	24.3	-0.4	22.6	0.4	9	90	-13 3	
DPR KOREA														
47014 CHUNGGANG	4147N	12653E	332		978.2	1017.9	7.2		6.8		4	10	0	
47016 HYESAN	4124N	12810E	714		934.1	1020.1	5.6		5.9		3	25		
47025 KIMCHAEK	4040N	12912E	23		1013.7	1016.5	13.1		11.5		2	40		
47035 SINUIJU	4006N	12423E	7		1019.1	1020.0	12.7		9.6		3	20	1	
47055 WONSAN	3911N	12726E	36		1013.2	1017.6	14.3		10.3		3	23	2	
47058 PYONGYANG	3902N	12547E	38		1015.1	1019.7	12.5		9.8		2	15	1	
47069 HAEJU	3802N	12542E	81		1009.0	1018.7	14.3		9.8		1	14	1	
REPUBLIC OF KOREA														
47105 KANGNUNG	3745N	12854E	27		1014.3	1017.5	15.6	1.1	11.1	-0.4	3	100	-16 4	129 59
47112 INCHON	3729N	12638E	70		1010.1	1018.5	15.0	0.6	11.8	-0.2	1	13	-30 1	230 94
47159 PUSAN	3506N	12902E	71		1008.7	1017.1	17.6	0.5	12.9	-0.1	2	5	-58 0	225 103
47165 MOKP'0	3447N	12623E	56		1012.1	1018.8	17.4	1.1	12.6	-1.3	1	2	-48 1	228 105
JAPAN														
47401 WAKKANAI	4525N	14141E	11		1008.5	1009.8	10.4	-0.2	8.7	0.1	15	114	-13 3	100
47407 ASAHIKAWA	4346N	14222E	116	31	997.2	1011.3	8.2	-0.3	8.9	0.2	16	126	-22 4	81
47409 ABASHIRI	4401N	14417E	43	31	1005.1	1010.3	9.9	-0.1	8.7	-0.2	7	61	-21 2	98
47412 SAPPORO	4303N	14120E	19		1009.1	1011.3	10.9	0.3	8.8	-0.6	17	102	-13 3	91
47420 NEMURO	4320N	14535E	26		1007.0	1010.2	10.6	-0.2	9.4	-0.7	7	69	-63 1	103
47426 URAKAWA	4210N	14247E	33	31	1007.5	1011.5	10.8	-0.9	9.7	-0.7	9	62	-59 1	103
47582 AKITA	3943N	14006E	10		1013.3	1014.5	12.8	-0.3	11.0	-0.5	14	146	-15 3	94
47585 MIYAKO	3939N	14158E	47		1007.8	1013.4	12.1	-0.8	10.4	-1.1	4	43	-95 1	113
47590 SENDAI	3816N	14054E	43		1009.2	1014.3	14.2	-0.1	10.8	-1.2	6	81	-35 2	124
47600 WAJIMA	3723N	13654E	6		1014.2	1015.8	14.5	-0.8	12.4	-1.0	12	114	-66 1	109
47604 NIIGATA	3755N	13903E	6	31	1014.6	1015.4	15.1	-0.4	11.8	-1.2	15	172	-20 4	114
47605 KANAZAWA	3633N	13639E	28	31	1012.8	1016.1	15.6	-0.5	12.7	-1.1	12	215	15 4	103
47618 MATSUMOTO	3615N	13758E	611		944.7	1015.7	11.5	-1.0	10.3	-0.6	5	52	-46 1	101
47624 MAEBASHI	3624N	13904E	113	31	1001.3	1014.7	15.1	-0.5	11.5	-1.1	9	70	-38 2	131
47636 NAGOYA	3510N	13658E	56	31	1008.6	1015.2	16.6	-0.3	12.7	-1.1	5	69	-52 1	116
47648 CHOSHII	3543N	14051E	28	31	1010.8	1014.0	17.8	-0.4	14.4	-1.4	10	171	-70 2	137
47655 OMAEZAKI	3436N	13813E	47	31	1008.4	1013.9	18.5	-0.4	15.0	-1.2	8	112	-79 2	97

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE				
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	TOTAL	% OF AV.			
ASIA																		
JAPAN																		
47662 TOKYO	3541N	13946E	36	1010.1	1014.3	17.5	0.2	12.4	-1.2	7	59	-122	1	128				
47678 HACHIJOGIMA	3306N	13947E	80	1003.7	1013.0	19.9	-0.9	17.6	-1.3	15	805	341	5	98				
47744 YONAGO	3526N	13321E	8	1015.5	1016.4	15.7	-0.4	13.4	-0.7	10	123	-11	3	105				
47765 HIROSHIMA	3422N	13226E	30	31	1010.1	1016.4	17.5	0.5	13.2	-0.8	4	66	-38	2	110			
47772 OSAKA	3441N	13531E	50	31	1010.1	1016.0	17.8	-0.2	13.5	-0.5	7	44	-70	1	102			
47778 SHIONOMISAKI	3327N	13546E	75	1005.8	1014.6	18.9	-0.4	15.2	-0.8	7	212	-40	3	105				
47800 IZUHARA	3412N	12918E	22	31	1014.2	1016.9	18.3	0.6	14.2	-0.4	3	30	-87	1	107			
47807 FUKUOKA	3335N	13023E	14	1014.7	1016.4	18.5	0.7	14.8	-0.1	6	47	-53	2	107				
47815 OITA	3314N	13137E	13	31	1014.5	1016.0	17.8	0.2	14.7	-0.7	6	41	-94	1	117			
47817 NAGASAKI	3244N	12952E	35	31	1011.7	1015.8	19.3	0.4	15.0	-0.2	4	29	-74	1	125			
47827 KAGOSHIMA	3134N	13033E	5	1014.1	1014.7	20.5	0.9	15.8	-1.2	4	19	-89	1	120				
47830 MIYAZAKI	3155N	13125E	7	31	1014.4	1015.2	19.3	0.7	16.7	-0.5	4	21	-184	1	124			
47893 KOCHI	3333N	13332E	18	31	1013.0	1015.1	18.6	0.2	13.7	-1.3	3	24	-153	0	110			
47898 SHIMIZU/ASHIZURI	3243N	13301E	33	1011.0	1014.8	20.2	-0.2	15.2	-1.5	5	86	-146	1	116				
47909 NAZE	2823N	12930E	7	1012.4	1013.3	23.6	0.4	21.4	0.2	7	101	-163	2	97				
47918 ISHIGAKIJIMA	2420N	12410E	7	1011.0	1011.8	25.7	0.6	24.6	-0.1	9	91	-107	2	71				
47927 MIYAKOJIMA	2447N	12517E	41	31	1007.1	1011.7	25.2	0.4	24.5	0.2	11	309	99	5	73			
47936 NAHA	2612N	12741E	53	1006.0	1012.1	25.0	0.7	22.5	-0.8	6	275	76	4	91				
47945 MINAMIDAITOJIMA	2550N	13114E	15	1009.3	1011.0	25.4	0.3	25.8	0.7	10	134	-50	3	84				
THAILAND																		
48327 CHIANG MAI	1847N	09859E	314	973.5	1008.5	26.5	0.3	27.0	-0.3	10	204	75	5	188				
48354 UDON THANI	1723N	10248E	182	987.2	1007.7	26.6	-0.3	26.8	0.9	11	158	75	5	157				
48378 PHITSANULOK	1647N	10016E	45	1002.5	1007.0	27.9	-0.2	30.5	0.7	17	239	102	5	162				
48400 NAKHON SAWAN	1548N	10010E	35	1003.6	1007.7	27.9	0.2	31.5	1.9	12	267	122	5	162				
48431 NAKHON RATCHASIMA	1458N	10205E	188	986.5	1007.8	26.5	0.0	27.2	-0.5	11	298	138	5	143				
48455 BANGKOK	1344N	10034E	20	1005.5	1007.8	27.8	-0.2	29.7	-1.5	11	380	159	5	70				
48462 ARANYAPRATHET	1342N	10235E	49	1002.5	1007.8	27.3	-0.1	29.8	0.1	14	185	-26	3	141				
48480 CHANTHABURI	1236N	10207E	4	1007.3	1007.7	27.1	-0.2	29.8	-0.4	17	532	247	5	141				
48500 PRACHUAP KHIRIKHAN	1150N	09950E	5	1007.3	1008.0	27.2	0.2	28.4	-1.1	14	90	-149	1	116				
48517 CHUMPHON	1029N	09911E	5	1008.1	1008.7	27.2	0.3	30.7	0.3	14	185	-136	1	194				
48568 SONGKHLA	0712N	10036E	5	1007.6	1008.3	28.3	0.9	29.6	-0.1	10	115	-182	1	164				
LAO PDR																		
48930 LUANG-PRABANG	1953N	10208E	305	975.7		24.7	-0.5	25.0	-2.5	7	178	106	5					
48940 VIENTIANE	1757N	10234E	171	990.0	1009.4	26.6	0.4	27.1	1.2	12	195	124	6					
48955 PAKSE	1507N	10547E	102	996.0	1006.7	25.4	-0.9	27.0	0.7	13	279	218	6					
CHINA																		
50745 QIQIHAAR	4723N	12355E	148	990.0	1017.1	6.6	1.9	6.3	6	72	33	5	230	100				
51076 ALTAY	4744N	08805E	737	938.8	1026.9	5.8	0.0	5.0	4	26	12	5	223	100				
51463 URUMQI	4347N	08737E	919	918.2	1026.1	7.2	-0.5	5.9	6	27	7	4	234	95				
51709 KASHI	3928N	07559E	1291	875.6	1020.7	11.2	-1.1	7.7	0	T	2	4	202	80				
51777 RUOQIANG	3902N	08810E	889	918.9	1022.7	10.7	-0.8	5.6	0	0	0	0	0	300				
51828 HOTAN	3708N	07956E	1375	865.9	1019.1	11.8	-0.6	6.9	0	0	-1	4	271	105				
52203 HAMI	4249N	09331E	739	935.6	1022.4	9.2	-0.7	6.1	1	8	6	5	283	100				
52533 JIUQUAN	3945N	09829E	1478	857.5	1024.6	6.9	-0.5	5.2	0	0	-2	3	254	95				
52836 DULAN	3618N	09806E	3192	694.1		3.4	0.8	2.9	1	2	-27	1	273	100				
54292 YANJI	4253N	12928E	178	996.1	1018.0	7.4	0.7	6.4	2	33	10	5	216	105				
54342 SHENYANG	4146N	12326E	43	1014.2	1019.5	11.3	1.8	8.4	1	18	-22	2	218	100				
54511 BEIJING	3956N	11617E	55	1014.1	1020.5	14.1	1.6	9.5	4	23	-3	3	215	95				
55591 LHASA	2940N	09108E	3650	654.0		9.1	0.7	4.6	0	0	-9	1	320	115				
56137 QAMDO	3109N	09710E	3307	682.8		9.8	2.3	6.0	2	13	-14	2	233	120				
56294 CHENDU	3040N	10401E	508	961.2	1020.3	16.3	-0.5	16.0	5	18	-28	1	40	60				
56739 TENGCHONG	2507N	09829E	1649	834.7		17.9	1.9	16.9	14	147	-3	3	175	100				
56778 KUNMING	2501N	10241E	1892	813.5		15.4	0.5	14.4	10	45	-38	1	98	60				
56985 MENGZI	2323N	10323E	1302	871.0	1013.3	18.3	-0.6	16.4	7	34	-32	2	102	70				
57036 XI'AN	3418N	10856E	398	974.9	1022.1	13.9	-0.1	13.3	11	96	7	4						
57083 ZHENGZHOU	3443N	11339E	111	1007.9	1021.3	15.1	0.2	12.4	4	46	0	3	141	70				
57745 ZHIJIANG	2727N	10941E	273	987.0	1019.1	17.7	0.0	14.7	4	59	-50	2	137	110				
57993 GANZHOU	2551N	11457E	125	1001.5	1016.1	21.3	0.1	18.1	3	28	-43	2	138	75				
58367 SHANGHAI	3110N	12126E	7	1018.8	1019.6	19.2	1.2	15.7	2	4	-46	1	182	105				
58606 NANCHANG	2836N	11555E	50	1012.5	1017.9	19.7	0.2	15.7	3	24	-25	2	175	100				
59287 GUANGZHOU	2308N	11319E	8	1011.8	1012.7	24.1	0.4	21.4	9	138	64	4	149	70				
59316 SHANTOU	2324N	11641E	3	1011.6	1012.5	23.7	0.6	21.8	2	21	-41	3	198	90				

ASIA-CHINA

ASIA-CHINA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS + MM	TOTAL mm	DEPARTURE mm	QUINTILE		
ASIA	0°	0°														
CHINA																
59431 NANNING	2249N	10821E	73	1004.7	1013.1	23.0	-0.3	21.0			9	207	131	6	119	60
59758 HAIKOU	2002N	11021E	15	1007.9	1009.6	24.7	-0.1	26.8			15	432	276	5	125	60
AFRICA																
MADEIRA																
08522 FUNCHAL	3238N	01654W	56	1008.9	1015.4	21.1		17.5			9	80	3	175	85	
CAPE VERDE																
08594 SAL	1644N	02257W	55	1007.1	1013.7	25.4	-0.5	25.0	-0.4	0	0	-13	3	191	85	
SPAIN (CANARY ISLANDS)																
60020 SANTA CRUZ DE TENERIFE	2828N	01615W	46	1012.1	1016.3	22.7	-0.1	19.2	2.3	2	15	-11	3	240	117	
WESTERN SAHARA																
60096 VILLA CISNEROS	2342N	01552W	10	1013.2	1014.5	21.5	-0.9	21.7		0	0	-6	3	262	75	
MOROCCO																
60150 MEKNES	3353N	00532W	549	952.6	1015.1	19.0	1.0	14.7	1.7	8	70	17	4	167	71	
60155 CASABLANCA	3334N	00740W	62	1008.4	1015.1	19.8	0.7	18.2	1.1	4	15	-23	2	216	96	
60230 MARRAKECH	3137N	00802W	466	961.4	1014.6	20.7	0.2	13.8	1.0	4	14	-8	3	231	94	
60250 AGADIR	3023N	00934W	23	1012.4	1015.2	20.8	0.9	17.4	0.8	3	60	37	5	221	89	
60265 OUARAZATE	3056N	00654W	1140	889.7	1529	Y	19.4	0.3	10.3	1.5	3	16	* -1	3	266	102
ALGERIA																
60351 JIJEL	3650N	00547E	2	1015.6	1016.8	20.7		17.4		1	2	-86	0	187	86	
60355 SKIKDA	3656N	00657E	7	1017.3	1017.5	21.9	3.3	19.1	2.9	1	4	-51	0	210	113	
60360 ANNABA	3650N	00749E	4	1016.7	1017.2	21.4	2.2	17.0	0.1	0	7					
60367 EL-KALA	3654N	00827E	10	1017.0	1018.3	22.3		19.0		2	19					
60390 DAR-EL-BEIDA	3643N	00315E	25	1013.1	1016.0	21.2	2.4	16.1	0.4	4	27	-82	1	218	102	
60402 BEJAIA	3643N	00504E	2	1016.4	1016.8	21.1		17.4		0	1					
60419 CONSTANTINE	3617N	00637E	694	939.2	1017.6	18.5	3.6	12.2	0.2	2	4	-43	1	196	96	
60425 CHLEF	3613N	00120E	143	999.9	1016.5	21.7		14.4		4	16					
60430 MILIANA	3618N	00214E	715	935.8	1016.8	19.9	3.1	11.5		4	55	-24	3	221		
60444 BORDJ BOU ARRERIDJ	3604N	00446E	928	914.1		17.2		11.0		4	16					
60445 SETIF	3611N	00525E	1081	903.0	1552	Y	17.7		9.6	2	5					
60457 MOSTAGANEM	3553N	00007E	137	998.7	1015.1	20.1		15.8		1	9					
60467 M'SILA	3540N	00430E	441	965.0	1015.4	20.5		11.4		4	18					
60490 ORAN/ES SENIA	3538N	00036W	90	1005.0	1015.7	20.0	1.1	15.2	-0.4	1	4	-41	1	216	129	
60511 TIARET	3515N	00126E	1127	907.5	1530	Y	16.8		10.5	0	0					
60515 BOU-SAADA	3520N	00412E	461	964.6	1013.7	20.7		11.3		0	0	0	0	205		
60518 BENI-SAF	3518N	00121W	68	1005.9	1014.3	20.1		17.3		1	3					
60522 MAGHNIA	3449N	00147W	426		1020.7					6	12					
60525 BISKRA	3448N	00544E	87	1006.6	1016.8	24.7	3.4	12.5	-0.8	1	4	-23	2	226	104	
60531 TLEMCEN (ZENATA)	3501N	00128W	247	986.5	1015.4	20.0		13.4		2	10					
60535 DJELFA	3441N	00315E	1144	890.4	1538	Y	16.0		9.7							
60540 EL KHEITER	3409N	00004E	1000	904.1	1522	Y	16.8		10.5	3	21					
60549 MECHERIA	3456N	00026W	1149	890.4	1543	Y	17.3		9.3	4	12					
60550 ELBAYADH	3340N	00100E	1341	868.9	1533	Y	16.1		8.2	1	37					
60555 TOUGGOURT	3307N	00608E	85	1006.3	1016.3	23.6		14.3		2	7					
60559 EL OUED	3330N	00607E	63	1009.4	1016.8	24.1		14.8		1	5					
60560 AIN SEFRA	3246N	00036W	1058	896.5	1516	Y	18.3		9.7	1	7					
60566 GHARDAIA	3223N	00349E	450	963.9	1017.0	22.8		11.6		2	11					
60571 BECHAR	3137N	00214W	773	924.3	1526	Y	21.4	0.3	7.9	-2.3	3	-8	3	296	105	
60590 EL GOLEA	3034N	00252E	397	960.7	1015.8	23.4	1.9	11.8	1.0	1	8	4	5	257	86	
60602 BENI ABBES	3008N	00210W	499	957.1	1014.1	23.6		9.3		1	7					
60607 TIMIMOUN	2915N	00017E	312	978.2	1013.8	24.9		9.3		0	0	-4	0	258	75	
60611 IN AMENAS	2803N	00938E	562	952.4	1015.2	24.0	1.7	8.6	-0.6	0	0	-6	0	290	104	
60620 ADRAR	2753N	00017W	263	982.5	1014.6	26.0	1.3	8.6	1.0	0	T	-2	3	269	88	
60630 IN SALAH	2712N	00228E	293	983.0	1013.3	27.5	1.0	10.6	2.8	0	0	-1	0	274	89	
60640 ILLIZI	2630N	00825E	558	954.9	1015.4	26.5		0.0		0	0	0	0			
60656 TINDOUF	2740N	00808W	431	963.7	1013.4	23.6	-0.1	12.6		0	5	-10	3			
60680 TAMANRASSET	2247N	00531E	1378	867.1	1550	Y	22.7	0.2	6.4	0	T	-4	3	293	106	

AFRICA-NIGER

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	MM	DEPARTURE	QUINTILE				
AFRICA																			
NIGER																			
61017 BILMA	1841N	01255E	357	971.8	1011.9	25.7	-2.3	12.6	4.2	0	T	T	5	323	105				
61024 AGADEZ	1658N	00759E	502	954.9		28.4	-1.1	6.2	-2.5	0	0	0	0	318	105				
61036 TILLABERY	1412N	00127E	210	985.9	1009.2	30.9	0.1	15.7	-3.4	0	0	-20	0	303	105				
61043 TAHOUA	1454N	00515E	391	965.9	1008.9	30.1	-0.3	9.1	-5.2	1	1	-6	3	294	100				
61045 GOURE	1359N	01018E	460	960.6	1009.1	28.9	9.9	8.9		1	5			288					
61049 N'GUIGMI	1415N	01307E	286	977.5	1009.3	29.3	0.1	10.7	-3.0	0	0	-1	0	319	105				
61052 NIAMEY-AERO	1329N	00210E	227	983.7	1008.9	30.0	-0.3	18.3	-1.6	1	3	-13	2	304	105				
61075 BIRNI-N'KONNI	1348N	00515E	273	978.7	1009.0	29.0	-0.2	16.6	-1.9	0	0	-17	0	292	100				
61080 MARADI	1328N	00705E	373	967.0	1008.1	28.0	0.1	9.8	-7.6	1	24	16	5	293	100				
61090 ZINDER	1347N	00859E	453	959.8	1009.7	28.7	-0.9	9.8	-2.7	1	24	18	5	293	100				
61091 MAGARIA	1259N	00856E	403	965.8	1010.7	26.4		13.6		1	43			283					
61096 MAINE-SOROA	1314N	01159E	337	971.7	1009.0	28.7	-0.5	9.3	-4.2	0	T	-7	2	293	100				
61099 GAYA	1153N	00327E	203	985.9	1008.5	29.2	0.5	21.7	-3.8	1	2	-24	3	290	105				
MALI																			
61214 KIDAL	1826N	00121E	459			30.0	-0.4	9.8	-0.9	0	0	-2	0	284	95				
61223 TOMBOUCTOU	1643N	00300W	264	980.1	1009.2	30.7	-0.3	13.6	0.1	0	0	-3	0	292	100				
61226 GAO	1616N	00003W	260	980.7	1009.3	30.2	-1.5							279	96				
61230 NIORO DU SAHEL	1514N	00921W	237	982.4	1008.6	31.0	1.4	17.5	0.8	0	0	-24	0						
61240 HOMBORI	1520N	00141W	288			32.4	0.7	12.9	-2.4	0	0	-11	0	277					
61257 KAYES	1426N	01126W	47	1005.1	1010.3	29.6	0.4	25.3	2.0	2	4	-42	1	292	121				
61265 MOPTI	1431N	00406W	272	979.5	1009.5	30.6	2.1	19.0	-2.8	0	0	-25	0	296	114				
61270 KITA	1304N	00928W	334	1005.1	1010.3	29.6	2.6	25.3	1.4	2	4	-67	1	292	120				
61277 SAN	1320N	00450W	284	978.0	1009.4	29.7	1.1	21.5	-1.9		1	-33	1	278					
61285 KENIEBA	1251N	01114W	132			27.4	0.0	28.3	1.3	4	10	-106	0	245	105				
61291 BAMAKO/SENOU	1232N	00757W	381	967.6	1009.8	28.1	0.7												
61293 KOUTIALA	1223N	00528W	367	968.2	1008.8	28.3	0.9	22.6	-0.3	3	16	-53	1	290					
61297 SIKASSO	1121N	00541W	375			27.2	0.0	23.5	-1.4	5	82	-3	3	256	115				
SENEGAL																			
61600 SAINT-LOUIS	1603N	01627W	4	1010.4	1010.9	27.0	-0.6	24.6	0.2	0	0	-38	1	281					
61612 PODOR	1639N	01458W	7	1010.1	1010.9	31.0	0.7	18.2	-0.8	0	0	-26	0	268					
61627 LINGUERE	1523N	01507W	21	1007.8	1010.1	30.9	1.5	19.6	-2.4	0	T	-47	1	300					
61630 MATAM	1539N	01315W	17	1007.7	1009.6	31.4	1.3	20.5	-0.8	1	3	-22	2	295					
61641 DAKAR/YOFF	1444N	01730W	24	1008.0	1011.2	26.6	-0.7	28.6	-0.6					287					
61666 DIOURBEL	1439N	01614W	9	1009.4	1010.4	29.6	1.0	26.8	1.9	2	5	-45	2	313					
61679 KAOLACK	1408N	01604W	7	1010.6	1011.4	29.6	0.8	27.6	-0.3	2	16	-46	2	298					
61687 TAMBAOUNDA	1346N	01341W	50	1004.7	1010.4	28.5	0.7	28.0	1.7	3	48	-21	3	294					
61695 ZIGUINCHOR	1233N	01616W	23	1008.6	1011.2	27.6	0.3	32.6	2.9	4	63	-63	2	277					
61698 KOLDA	1253N	01458W	10			28.1	0.6	29.8	0.8	5	12	1	1	262					
61699 KEDOUGOU	1234N	01213W	167	990.7	1009.4	27.7	1.3	28.0	1.0	5	83	-93	2	259					
GAMBIA																			
61701 BANJUL/YUNDUM	1321N	01648W	36	1007.5	1011.2	27.7	0.9	28.9	2.6	4	54	-45	2	273					
GUINEA-BISSAU																			
61766 BISSAU (AEROPORT)	1153N	01539W	36	1008.6	1011.1	28.0	1.0	30.5	1.3	8	106	-98	1						
61769 BOLAMA	1135N	01529W	20	1009.4	1011.9	27.8		31.5		11	243	14	4						
SIERRA LEONE																			
61856 LUNGI	0837N	01312W	27	1005.7	1008.6	26.3	0.3	28.9	0.1	17	206	-82	2	288	155				
61878 NJALA	0806N	01206W	56	1001.5	1007.8	26.9	0.6	29.6	1.2	22	281	-61	176	79					
61881 BO	0757N	01146W	93	999.8	1010.9	27.4	1.2	28.7	0.2	23	285	-78	3	210	133				
61886 KABALA	0935N	01133W	464	961.1	1012.6	25.8	0.8	26.3	0.6	17	147	-175			163				
61891 DARU	0759N	01051W	186	988.8	1010.0	26.9	0.7	28.6	0.6	19	236	-76	2	105	65				
UNITED KINGDOM (OCEAN IS.)																			
61901 ST. HELENA IS.	1556S	00540W	436	966.8	1017.9	16.4	1.6	15.3		9	30	-10	2	47					
FRANCE (OCEAN ISLANDS)																			
61968 ILES GLORIEUSES	1135S	04717E	4	1014.3	1014.8	26.5	0.5	26.3	3.1	2	28	18	5	284					
61970 ILE JUAN DE NOVA	1703S	04242E	10	1012.5	1013.7	26.8	0.3	27.7	1.3	1	1	-4	3	305					
61972 ILE EUROPA	2219S	04020E	13	1014.2	1015.7	24.1	0.0	24.6	2.5	1	22	15	5	269	90				
61976 SERGE-FROLLOW (ILE TROMELIN)	1553S	05431E	13	1013.6	1015.0	25.3	0.8	25.5	1.5	4	24	-6	3	292					
61980 SAINT-DENIS/GILLOT (REUNION)	2053S	05531E	25	1015.1	1018.0	23.5	1.1	20.5	1.3	8	42	4	4	252	115				

AFRICA-FRANCE

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE TOTAL hr
AFRICA														
FRANCE (OCEAN ISLANDS)														
61996 MARTIN DE VIVIES (ILE AMST.)	3748S	07732E	29		1013.4	1017.0	11.7	-0.4	11.2	-1.0	19	90	7	4 155
61997 ALFRED FAURE (ILES CROZET)	4626S	05152E	142		986.8	1004.2	3.5	0.5	6.6	0.2	16	182	-27	2 117
61998 PORT-AUX-FRANCAIS (ILES KER.)	4921S	07015E	30		995.9	999.6	2.9	-0.3	5.8	-0.7	8	33	-34	1 163
MAURITIUS														
61974 AGALEGA	1026S	05645E	3		1011.5	1011.8	26.3	0.4	28.1	1.4	16	163	67	5
61986 ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1014.5	1014.8	24.8	0.4	27.0	2.5	12	58	33	5
61988 RODRIGUES	1941S	06325E	59		1011.2	1017.5	23.6	0.7	23.6	2.8	9	38	-5	3 267
61990 PLAISANCE (MAURITIUS)	2026S	05740E	57		1011.6	1017.5	23.3	1.1	22.0	0.8	9	67	7	4 210
LIBYAN ARAB JAMAHIRIYA														
62010 TRIPOLI INTL AIRPORT	3240N	01309E	81		1007.9	1017.1	24.2	2.1	17.3	1.3	0	T	-42	1 206
62053 BENINA	3205N	02016E	132		1002.7	1018.0	21.5	-0.9	17.5	1.2	5	9	-11	3 266
62124 SEBHA	2701N	01426E	432		967.4	1016.8	23.7	-0.1	11.1	-0.6	0	T	-3	3 296
62271 KUFRA	2413N	02318E	435		969.9	1016.4	21.6	-2.9	8.1	-0.2	0	0	0	5 332
Egypt														
62306 MERSA MATRUH	3120N	02713E	30		1013.4	1016.8	22.4	0.6	15.9	-1.9	5	59	43	5 250
62366 CAIRO	3008N	03124E	74		1006.3	1015.1	22.5	-1.3	22.1	6.5	0	0	-1	0
62378 HELWAN	2952N	03120E	141		998.3	1015.0	22.2	-1.5	21.2	6.4	0	0	0	0 288
62432 DAKHLA	2529N	02900E	111		1003.2	1016.2	23.4	-1.3	10.5	0.5	0	5	5	6
SUDAN														
62641 PORT SUDAN	1935N	03713E	2		1004.9	1005.2	33.0	3.9	29.9	0.1	0	0	-11	0 168
62650 DONGOLA	1910N	03029E	226		980.5	1004.7	34.3	4.6	9.4	-1.2	3	11	11	6 128
62660 KARIMA	1833N	03151E	249		976.5	1006.7	36.1	5.4	14.4	4.7	0	0	0	0 106
62721 KHARTOUM	1536N	03233E	380		962.8	1005.8	31.6	0.0	22.8	9.3	3	46	41	5
62730 KASSALA	1528N	03624E	500		953.1	1008.5	27.4	-2.6	29.8	12.1	8	65	58	6 257
62751 WAD MEDANI	1424N	03329E	408		962.5	1007.4	26.7	-2.2	26.2	7.3	2	40	24	5 233
62752 GEDAREF	1402N	03524E	599		941.3	1007.9	25.5	-3.1	24.7	5.7	10	92	69	6 229
62760 EL FASHER	1337N	02520E	730		927.3	1007.0	28.1	1.3			5	53	46	6 191
62762 SENNAR	1333N	03337E	418		965.3	1008.7	27.3		25.8		10	206	5	
62771 EL OBEID	1310N	03014E	574		944.1	1007.4	27.1	-1.0	24.4	10.5	8	128	112	6 205
62772 KOSTI	1310N	03240E	381		960.7	1007.3	26.9	-2.2	26.8	4.5				85
62781 EN NAHUD	1242N	02826E	564		946.0	1008.3	27.3	-0.6	24.4	10.1	5	81	66	6 200
62805 DAMAZINE	1147N	03423E	470		955.7	1008.1	27.1	0.3	27.0	4.2	11	195	158	6 149
62810 KADUGLI	1100N	02943E	499		954.2	1010.2	24.5		26.7		13	211	5	169
62840 MALAKAL	0933N	03139E	388		965.3	1008.7	27.3	1.1	25.8	0.4	10	206	123	5
ETHIOPIA														
63021 ASMARA	1517N	03855E	2325	31	772.3		14.0	-2.1	11.7	0.7	3	22	8	5
63331 GONDAR	1232N	03726E	1966	30	804.2		18.7	-1.0	13.5	-1.1	6	80	27	4
63402 JIMMA	0740N	03650E	1577	31	832.6		19.2	0.1	16.0	0.6	17	173	76	5
63450 ADDIS ABABA	0859N	03848E	2324	31	765.2		16.2	0.2	8.7	-0.7	4	59	12	4 98
63471 DIRE DAWA	0936N	04152E	1146	31	885.3		24.9	-1.0	13.6	0.1	2	18	-9	3
KENYA														
63619 MOYALE	0332N	03903E	1097				22.8		18.5		9	41	-97	1 217
63686 ELDORET	0032N	03517E	2133		789.6	1485 Y	16.9		11.4		5	59	4	245
63723 GARISSA	0028S	03938E	147		995.8	1013.7	29.5	0.6	22.2	0.2	1	6	-21	3 295
63740 NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		838.9	1506 Y	20.0	0.3	13.6		3	46	6	4 220
63799 MALINDI	0314S	04006E	23		1009.9	1012.5	26.5		26.0		6	37	-36	3 291
UNITED REPUBLIC OF TANZANIA														
63832 TABORA AIRPORT	0505S	03250E	1190		881.0	1490 Y	25.9	0.6	13.9	-0.3	2	4	-18	1
63862 DODOMA	0610S	03546E	1120		890.3	1519 Y	23.8		15.1		0	0	-2	4
63894 DAR ES SALAAM AIRPORT	0652S	03912E	55		1007.7	1014.0	25.7	0.5	25.2	2.2	3	9	-48	0
63962 SONGEA	1041S	03535E	1067		898.3	1547 Y	23.9	1.3	16.0	1.3	0	1	-4	3
63971 MTWARA	1016S	04011E	113		1001.1	1013.9	25.1		24.7		4	21		2
SEYCHELLES														
63980 SEYCHELLES INTL AIRPORT	0440S	05531E	3		1010.8	1011.2	26.9	0.0	28.6		10	275	99	4 217
ZAIRE														
64210 KINSHASA/N'DJILI	0423S	01526E	312		974.8	1009.7	25.8	0.6	24.9		12	190	72	5

AFRICA-CONGO

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE		
AFRICA																
CONGO	0°	0°	m	mb	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%	
64400 POINTE-NOIRE	0449S	01154E	17	1009.6	1011.6	24.8	-0.3	26.6	0.1	12	23	-58	1	194	96	
64401 LOUBOMO	0412S	01242E	330	974.7	1011.7	24.8	-0.4	24.5	0.9	3	24	-44	1	116	95	
64450 BRAZZAVILLE/MAYA-MAYA	0415S	01515E	316	973.9	1008.9	26.4	0.8	24.9	0.9							
64453 DJAMBALA	0232S	01446E	790			22.1	-0.5	23.1	0.6	2	226	-31	3	101		
64454 GAMBOMA	0152S	01552E	377	967.2	1008.9	24.8	-0.5	26.7	1.2							
64456 MAKOUA	0001S	01535E	379	967.3	1009.6	24.3	-0.6	26.1	0.7	14	259	16	3	157		
CHAD																
64700 NDJAMENA	1208N	01502E	295	975.4	1008.8	27.6	-1.0	17.8	-2.5	1	1	-20	2	306	105	
64706 MOUNDOU	0837N	01604E	422	960.1	1009.2	23.2	-3.3	25.0	0.0	8	59	-18	3	241	107	
64750 SARH	0909N	01823E	365	968.1	1008.5	27.0	-0.1	26.4	-0.1	2	17	-56	1	221	98	
BENIN																
65306 KANDI	1108N	00256E	292	997.0	1009.5	27.6	0.4	21.1	-4.5	0	0	-46	1	279		
65319 NATITINGOU	1019N	00123E	461	959.2	1010.3	25.8	0.2	22.3	-2.8	6	57	-76	1	261		
65330 PARAKOU	0921N	00237E	393	31	966.6	1010.2	26.2	0.8	25.1	-0.3	5	75	-29	2		
65335 SAVE	0759N	00226E	200	987.9	1010.3	26.5	0.5	26.5	-0.4	8	88	-35	2	219		
65338 BOHICON	0710N	00204E	167	991.6	1010.4	26.4	0.1	29.3	1.9	8	104	-36	2	220		
65344 COTONOU	0621N	00223E	9	1009.7	1010.7	27.2	0.7	29.8	0.3	9	178	39	4	219		
TOGO																
65351 DAPAO	1052N	00015E	330	972.4	1009.3	28.3		20.7		1	22			275		
65352 MANGO	1022N	00028E	146	993.0	1009.4	28.0	0.7	26.5	-0.7	4	32	-49	1	280	100	
65361 SOKODE	0859N	00109E	387			25.6	0.1	25.5	0.4	4	77	-46	2	238	110	
65376 ATAKPAME	0735N	00107E	402	965.4	1010.8	25.1	0.1	26.0	1.0	9	170	30	4	228	110	
65380 TABLIGBO	0635N	00130E	44	1005.9	1011.0	26.3	0.0	28.9	0.8	15	96	-25	2	187		
65387 LOME	0610N	00115E	25	1008.2	1011.0	27.0	0.9	30.5	2.1	5	45	-53	2	231	110	
BURKINA FASO																
65501 DORI	1402N	00002W	277	978.6	1009.3	30.3	0.0	17.6	-1.7	0	0	-14	2	317		
65502 OUAHIGOUYA	1334N	00225W	336	971.8	1008.8	30.0	0.6	17.6	-2.7	1	1	-26	2	302		
65503 OUAGADOUGOU	1221N	00131W	306	975.4	1009.2	29.4	0.6	20.7	-2.7	1	6	-34	1	301	105	
65507 FAOA N'GOURMA	1202N	00022E	309	974.9	1009.3	28.1	0.2	20.5	-3.5	0	0	-38	1	297		
65510 BOBO-DIOULASSO	1110N	00419W	460	959.0	1010.0	27.0	0.2	23.4	-0.2	5	105	35	4	264		
65516 BOROMO	1145N	00256W	271	979.1	1009.3	28.6	0.6	23.1	-1.2	3	17	-26	2	292		
65522 GAOUA	1020N	00311W	335	979.6	1009.7	27.8	0.5	24.6	-0.8	3	24	-66	1	277		
LIBERIA																
65660 ROBERTS FIELD	0615N	01021W	18	1009.9	1010.9	26.1	0.5	28.9	0.1	17	212	-194	1	176		
COMOROS (FRANCE)																
67005 DZAOUOZI/PAMANZI (MAYOTTE)	1248S	04517E	7	1012.5	1013.3	26.1	0.5	27.5	1.3	4	21	-26	2	268		
MADAGASCAR																
67009 DIEGO-SUAREZ	1221S	04918E	105	1001.9	1013.9	25.9	0.2	21.7	0.7	3	9	-6	3	293	97	
67019 ANALALAVA	1438S	04746E	57	1007.3	1013.9	27.1	0.3	22.3						324	97	
67025 ANTALAHIA	1453S	05015E	88	1006.2	1016.4	23.2	0.3			17	98	19	4	231	94	
67027 MAJUNGA	1540S	04621E	18	1011.3	1013.4	27.4	0.3	24.1		2	5	-13	3	321	96	
67073 MAINTIRANO	1803S	04402E	23	1011.6	1014.2	26.8	0.7	26.0		1	2	-13	2	328	100	
67095 TAMATAVE	1807S	04924E	6	1016.6	1017.3	22.9	0.1	23.7	0.7	14	98	2	4	227	93	
ZAMBIA																
67475 KASAMA	1013S	03108E	1384	861.8	1493	Y	23.5	0.2	13.4	0.7	3	30	10	4	263	97
67633 MONGU	1515S	02309E	1053	895.3	1504	Y	25.4	-0.2	13.4	0.1	3	17	-18	3	255	98
67663 KABWE	1427S	02828E	1207	888.0	1509	Y	23.9	-0.2	13.1	1.0	3	43	22	5	275	95
67743 LIVINGSTONE	1749S	02549E	986	901.9	1504	Y	26.4	-0.1	13.2	1.7	6	42	19	5	294	107
MALAWI																
67586 KAMUZU INTL.	1347S	03346E	1229	31	879.6	1520	Y	22.1		4	160					
ZIMBABWE																
67775 HARARE (KUTSAGA)	1755S	03108E	1480	854.3	1520	Y	20.4	-0.8	12.2	-0.1	7	59	22	4	276	98
67964 BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344	867.4	1518	Y	21.9	-0.1	12.8	1.0	5	48	16	4	246	92

AFRICA-BOTSWANA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE hr	TOTAL hr	% OF AV.
AFRICA BOTSWANA	0°	0°	0	0	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	hr	x
68024 GHANZI	2142S	02139E	1100	886.0	1498	Y	24.9	8.9	7	21	292					
68032 MAUN	1959S	02325E	900	905.8	1504	Y	28.3	1.4	4	17	310					
SOUTH AFRICA																
68174 PIETERSBURG	2352S	02927E	1200	883.5	1531	Y	19.2	-0.4	8	73	228	84				
68262 PRETORIA	2544S	02811E	1300	872.4	1524	Y	19.5	-0.4	10	68	236	83				
68368 JAN SMUTS	2608S	02814E	1700	832.0	1518	Y	16.6	-0.7	10	78	104	86				
68424 UPINGTON	2824S	02116E	800	923.4	1511	Y	20.3	-0.7	1	7	340	102				
68438 KIMBERLEY	2848S	02446E	1200	881.7	1509	Y	17.4	-2.4	61	315	283	92				
68442 BLOEMFONTEIN (J.B.M. HERTZOG)	2906S	02618E	1400	861.7	1515	Y	15.5	-2.0	10	87	273	91				
68461 BETHELHEM AIRPORT	2815S	02820E	1700	832.5	1525	Y	13.1	10.0	14	125	235	85				
68588 DURBAN (LOUIS BOTHA)	2958S	03057E	8	1014.5	1016.1		20.3	0.3	15	89	155	93				
68816 CAPE TOWN (D.F. MALAN)	3359S	01836E	42	1012.1	1017.9		15.1	-0.3	6	21	270	96				
68828 GEORGE AIRPORT	3400S	02223E	193	993.9	1017.6		14.5	0.3	5	32	239	110				
68842 PORT ELIZABETH	3359S	02536E	60	1009.5	1016.8		16.9	0.5	7	51	262	112				
68858 EAST LONDON	3302S	02750E	125	1001.4	1016.4		17.5	0.3	7	64	230	110				
68906 GOUGH ISLAND	4021S	00953W	54	1014.0	1020.4		11.7	1.6	11.0	16	298	121	90			
68994 MARION ISLAND	4653S	03752E	22	999.7	1002.4		4.4	0.1	23	217	132	97				
N AMERICA																
USA																
70026 BARROW/W. POST W. ROGERS, AK.	7118N	15647W	4	1018.4	1019.0		-16.7	-6.8	2	6	-8	1				
70086 BARTER ISLAND, AK.	7008N	14338W	15	1015.5	1017.5		-12.2	-2.9	5	17	-4	3				
70133 KOTZEBUE, RALPH WIEN, AK.	6652N	16238W	5	1013.5	1014.1		-7.8	-2.7	2	16	0	4				
70200 NOME, AK.	6430N	16526W	7	1009.3	1010.2		-3.6	-1.4	3	7	-25	1				
70219 BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46	1002.1	1008.0		-2.7	-1.4	5	15	-18	1				
70231 MCGRATH, AK.	6258N	15537W	103	997.3	1010.7		-8.1	-4.2	6	33	4	4				
70261 FAIRBANKS/INTL, AK.	6449N	14752W	138	993.9	1011.8		-8.1	-4.2	7	27	8	5				
70273 ANCHORAGE/INTL, AK.	6110N	15001W	40	1000.0	1005.0		0.6	-0.9	13	70	28	5				
70308 ST. PAUL, AK.	5709N	17013W	9	1005.0	1005.9		4.0	0.9	15	66	-5	3				
70316 COLD BAY, AK.	5512N	16243W	31	999.7	1003.7		4.7	0.5	16	83	-30	2				
70326 KING SALMON, AK.	5841N	15639W	15	1001.7	1003.6		-0.6	-1.3	10	43	-6	2				
70361 YAKUTAT, AK.	5931N	13940W	9	1006.4	1007.6		5.6	0.7	26	868	357	5				
70398 ANNIE ISLAND, AK.	5502N	13134W	34	1010.4	1014.4		10.0	1.7	20	287	-160	2				
72201 KEY WEST/INTL, FL.	2433N	08145W	6	1015.2	1015.9		26.6	0.2	4	19	-127	0				
72202 MIAMI, FL.	2549N	08017W	4	1015.8	1016.2		26.2	0.7	4	38	-143	1	310	125		
72203 WEST PALM BEACH/INTL, FL.	2641N	08007W	6	1015.5	1016.2		25.5	22.2	4	90	2					
72205 ORLANDO/JETPORT/ FL.	2826N	08119W	32	1013.8	1017.5		23.2	19.5	2	36						
72206 JACKSONVILLE/INTL, FL.	3030N	08142W	9	1017.8	1018.8		19.3	-1.9	3	60	272	137				
72207 SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15	1017.7	1019.6		17.9	14.2	3	71	4	292	125			
72208 CHARLESTON/MUN., SC.	3254N	08002W	15	1017.7	1019.7		17.1	-1.7	3	19	-55	1	221	95		
72211 TAMPA/INTL, FL.	2758N	08232W	3	1017.0	1017.4		23.1	18.9	2	2	0	279	120			
72214 TALLAHASSEE/MUN., FL.	3023N	08422W	21	1016.5	1018.8		18.1	14.5	4	64	3					
72217 MACON/LEWIS B. WILSON, GA.	3242N	08339W	110	1006.5	1019.6		16.2	-2.3	5	95	41	5	299	120		
72218 AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45	1013.9	1019.3		15.0	12.4	5	137	5					
72219 ATLANTA/MUN., GA.	3339N	08425W	315	982.6	1019.6		15.2	-1.3	8	127	58	4	218	91		
72223 MOBILE/BATES FIELD, AL.	3041N	08815W	67	1011.3	1019.2		18.5	-1.8	3	47	-19	3				
72226 MONTGOMERY/DANNELLY, AL.	3218N	08624W	62	1012.7	1020.1		16.6	13.5	7	89	4	224	95			
72231 NEW ORLEANS, LA	2959N	09015W	9	1018.6	1019.5		20.0	-1.3	5	73	8	3				
72234 MERIDIAN/KEY, MS.	3220N	08845W	94	1009.3	1020.5		15.4	13.4	8	109	5					
72235 JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101	1008.3	1020.3		16.4	14.4	9	156						
72240 LAKE CHARLES/MUN., LA.	3007N	09313W	10	1018.4	1019.5		20.1	17.3	5	60	220					
72242 GALVESTON, TX.	2918N	09448W	16	1017.1	1018.9		23.3	0.7	4	12	-58	1				
72243 HOUSTON/INTERCONTINENTAL, TX.	2958N	09521W	33	1014.5	1018.3		22.2	17.0	3	33	233	100				
72248 SHREVEPORT/REG., LA.	3228N	09349W	79	1010.4	1019.7		17.8	-1.7	9	113	282	123				
72250 BROWNSVILLE/INTL, TX.	2554N	09726W	6	1016.7	1017.3		24.4	0.4	4	46	244	110				
72251 CORPUS CHRISTI/INTL, TX.	2746N	09730W	13	1016.1	1017.8		23.7	20.7	5	66	3	264	115			
72253 SAN ANTONIO/INTL, TX.	2932N	09828W	242	990.1	1017.9		22.9	1.7	2	16	-54	1	311	145		
72254 AUSTIN/ROBERT MUELLER., TX.	3018N	09742W	189	996.4	1018.3		22.5	16.7	4	17	1	256	120			
72255 VICTORIA/VICTORIA REG., TX.	2851N	09655W	36	1014.4	1018.8		23.6	18.7	2	20						
72256 WACO, MADISON-COOPER, TX.	3137N	09713W	155	1000.6	1018.7		20.3	15.8	3	25	2					
72259 DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182	997.9	1019.1		18.7	13.7	6	42	3	224	95			
72263 SAN ANGELO/MATHIS, TX.	3122N	10030W	582	951.2	1017.5		18.9	13.1	0	0	1					
72265 MIDLAND/MIDLAND REG., TX.	3157N	10211W	872	919.3	1017.2		18.2	0.0	0	0	-33	1	277			

N AMER-USA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	MM	DEPARTURE	QUINTILE	TOTAL hr	% OF AV.
N AMERICA																	
USA	0°	0°	0	8	mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	mm	hr	%
72266 ABILENE, TX.	3225N	09941W	534	955.6	1018.0	19.1	0.3	11.7	-0.7	3	26	-33	2	278	115		
72267 LUBBOCK/LUBBOCK INTL, TX.	3339N	10149W	988	906.9	1017.4	17.2	-0.2	9.9	0.0	0	1	1	273	105			
72270 EL PASO/INTL, TX.	3148N	10624W	1194	884.3	1015.2	19.3	1.5	10.2	2.1	3	15	-3	3	317	105		
72274 TUCSON/INTL, AZ.	3207N	11056W	779	926.3	1012.7	24.1	-0.2	11.4	4.0	4	53	5	290	95			
72278 PHOENIX/SKY HARBOR INTL, AZ.	3326N	11201W	337	973.6	1011.9	28.0	5.0	12.1	2.2	2	61	45	5				
72290 SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9	1014.0	1015.0	19.3	-0.2	17.0	1.9	0	7	-8	2				
72295 LOS ANGELES/INTL, CA.	3356N	11824W	32	1011.3	1015.0	18.9	-0.2	16.1	0.0	0	0	0	2				
72304 CAPE HATTERAS, NC.	3516N	07533W	3	1018.7	1019.2	16.4	-2.0	13.7	-3.2	5	90	-33	3	230	110		
72306 RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134	1004.1	1020.1	12.4	-0.3	10.3	6	144	5	228	105				
72308 NORFOLK/INTL, VA.	3654N	07612W	9	1018.1	1019.2	13.8	-0.1	10.9	7	72	3	226	105				
72310 COLUMBIA, SC.	3357N	08107W	69	1011.9	1020.1	14.8	-2.7	11.7	5	94	22	5	239	100			
72312 GREENVILLE/G-SPARTANBURG, SC.	3454N	08213W	296	985.3	1020.3	12.9	-0.2	10.7	6	86	2	236	100				
72314 CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234	992.4	1020.0	13.5	-0.1	10.1	6	105	4	213	90				
72315 ASHEVILLE/REG., NC	3526N	08233W	661	943.7	1020.4	10.1	-3.3	8.7	7	79	-1	3	223	100			
72317 GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270	988.0	1020.1	11.8	-0.2	8.9	5	104	4	215	95				
72324 CHATTANOOGA/LOVELL FIELD, TN.	3502N	08512W	210	995.3	1020.3	12.9	-0.6	10.6	7	53	3	220	100				
72326 KNOXVILLE/MUN., TN.	3549N	08359W	299	984.5	1019.9	11.5	-0.1	9.7	8	39	2	207	95				
72327 NASHVILLE/OLD HICKORY, TN.	3615N	08634W	180	999.0	1021.1	12.3	-3.4	10.1	6	39	-26	2	209	95			
72340 N. LITTLE ROCK/MUN.APRT., AR.	3450N	09215W	165	1001.1	1020.7	15.4	-1.9	9.7	8	39	-33	2					
72344 FORT SMITH/MUN., AR.	3520N	09422W	141	1003.9	1020.7	15.6	-0.2	11.4	5	37	2	227	100				
72353 OKLAHOMA CITY/W.R.WORLD, OK.	3524N	09736W	397	973.3	1020.0	15.2	-1.6	11.4	7	52	-17	3	201	85			
72356 TULSA/INTL, OK.	3612N	09554W	206	995.8	1020.3	14.7	-0.7	10.7	4	36	2	223	100				
72365 ALBUQUERQUE/INTL, NM.	3503N	10637W	1620	841.2	1016.6	16.2	1.9	7.2	0	2	8	-14	2	310	111		
72386 LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664	938.7	1014.2	23.8	4.0	6.7	0	0	-6	0	316	104			
72389 FRESNO/AIR TERM., CA.	3646N	11943W	100	1003.7	1015.4	20.4	-0.3	12.1	0	0	1	333	110				
72394 SANTA MARIA/PUBLIC, CA.	3454N	12027W	73	1016.3	1016.3	16.2	0.3	13.1	0	0	-11	0					
72401 RICHMOND/BYRD, VA.	3730N	07720W	54	1012.9	1019.2	12.0	-0.2	9.7	5	70	2	253	120				
72405 WASHINGTON/NAT., VA.	3851N	07702W	20	1016.7	1019.0	12.4	-2.9	9.1	5	44	-29	2	210	100			
72406 BALTIMORE/B-WASHINGTON, MD.	3911N	07640W	47	1013.1	1018.5	10.7	-0.1	8.8	5	40	2	222	110				
72407 ATLANTIC CITY, NJ.	3927N	07434W	20	1015.4	1018.0	9.8	-0.2	9.5	7	70	3	226	115				
72408 PHILADELPHIA/INTL, PA.	3953N	07515W	9	1017.3	1018.3	11.0	-2.8	9.5	5	55	-12	3	212	105			
72411 ROANOKE/MUN., VA.	3719N	07958W	358	976.9	1019.5	10.7	-0.2	8.2	5	32	2						
72412 BECKLEY(RALEIGH CTY.MUN.), VA.	3747N	08107W	766	931.1	1020.9	7.8	-0.1	6.9	8	53							
72414 CHARLESTON/KANAHHA, WV.	3822N	08136W	299	984.4	1020.1	9.6	-0.1	8.2	7	48	3						
72421 CINCINNATI/GREATER CIN., OH.	3903N	08440W	267	988.2	1020.2	9.2	-4.7	7.9	9	47	-15	3					
72422 LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301	983.8	1019.8	9.8	-0.2	8.2	7	34	2						
72423 LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149	1001.8	1020.0	11.3	-0.1	8.0	6	39	2	217	100				
72425 HUNTINGTON/TRI-STATE, WV.	3822N	08233W	255	989.5	1020.0	9.7	-0.1	8.4	6	49							
72428 COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254	989.2	1019.7	8.6	-4.4	8.3	7	43	-4	3	171	95			
72429 DAYTON/JAMES M. COX DAY., OH.	3954N	08412W	306	982.8	1019.6	8.4	-3.9	7.7	10	76	24	5	173	78			
72432 EVANSVILLE/REG., IN.	3803N	08732W	118	1006.2	1020.6	10.8	-0.2	8.5	6	73	4	253	115				
72434 ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172	1000.0	1020.6	12.2	-2.2	8.7	8	47	-12	2	246	115			
72438 INDIANAPOLIS/I.-MUN/NEI., IN.	3944N	08616W	246	990.7	1020.5	8.9	-0.1	7.9	6	78	4	214	110				
72439 SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187	998.1	1019.9	9.8	-0.1	7.6	6	43	-253	120					
72440 SPRINGFIELD/MUN., MO.	3714N	09323W	387	974.9	1020.8	11.6	-0.2	9.5	8	49	2	215	95				
72445 COLUMBIA/REGIONAL, MO.	3849N	09213W	274	987.6	1020.3	10.6	-3.5	8.6	8	32	-50	1	238	110			
72446 KANSAS CITY, INTL, MO.	3919N	09443W	312	983.3	1020.5	11.2	-0.1	8.1	2	5	2	223	105				
72450 WICHITA, KS.	3739N	09726W	408	971.9	1020.1	13.7	-1.3	9.0	4	24	-32	2	221	95			
72451 DODGE CITY/MUN., KS.	3746N	09958W	790	928.1	1019.4	13.0	-1.5	8.5	7	14	-18	2	251	100			
72456 TOPEKA/MUN., KS.	3904N	09537W	270	987.8	1020.3	11.6	-2.7	8.0	2	7	-61	1	213	100			
72458 CONCORDIA/BLOSSER MUN., KS.	3933N	09739W	452	966.6	1020.0	12.1	-1.9	7.5	0	1	-40	1	199	80			
72465 GOODLAND/RENELL FIELD/, KS.	3922N	10142W	1124	891.8	1019.3	11.5	-0.1	6.5	0	0	0	0					
72469 DENVER/StAPLETON INTL, CO.	3945N	10452W	1625	839.6	1017.6	12.2	0.5	6.4	1	0	2	-20	1	242	95		
72476 GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475	855.9	1017.9	14.9	2.0	6.3	0	0	1	-23	1	285	115		
72483 SACRAMENTO/EXECUTIVE, CA.	3831N	12130W	8	1014.8	1018.1	19.2	1.1	12.0	1	1	5	-17	3	327	110		
72486 ELY/YELLAND, NV.	3917N	11451W	1909	813.1	1018.1	11.1	3.3	4.9	0	1	10	-5	3	295	110		
72488 RENO/INTL, NV.	3930N	11947W	1341	868.5	1017.4	14.7	-0.1	5.2	0	1	2	322	110				
72494 SAN FRANCISCO/INTL, CA.	3737N	12223W	5	1016.0	1016.8	16.3	0.4	13.5	2	11	-16	3					
72503 NEW YORK/LA GUARDIA, NY.	4046N	07354W	9	1016.7	1017.9	11.7	-2.3	9.4	7	78	9	4	198	95			
72507 PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19	1015.6	1017.6	9.4	-0.1	9.2	9	45	1	195	95				
72508 HARTFORD/BRADLEY INTL, CT.	4156N	07241W	55	1010.9	1017.4	8.7	-0.1	8.3	7	58	2	230	115				
72509 BOSTON/LOGAN INTL, MA.	4222N	07102W	9	1016.4	1017.4	10.4	-2.2	9.1	8	41	-44	1	170	80			
72513 WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289	982.5	1017.4	7.9	-0.1	7.6	8	49							
72515 BINGHAMTON/BROOME CO., NY.	4213N	07559W	497	957.2	1016.9	6.1	-0.1	7.2	10	66	2	144	90				
72517 ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117	1003.5	1017.8	9.0	-0.1	8.3	5	55	2	216					

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE		
N AMERICA																
USA	0°	0°	#	#	mb	mb	°C	°C	mb	mb	#	#	#	#		
72518 ALBANY/ALBANY CO., NY.	4245N	0734W	89	1006.2	1017.1	7.8	-3.2	8.5	7	36	-37	1	158	95		
72519 SYRACUSE/HANCOCK, NY.	4307N	0760W	124	1001.2	1016.2	8.1	8.0	14	91	4	109	75				
72520 PITTSBURGH/GREATER PITT., PA.	4030N	0801W	373	974.0	1018.6	8.2	-4.6	8.3	6	36	-24	2	142	85		
72521 AKRON/AKRON-CANTON REG., OH.	4055N	0812W	377	973.8	1018.7	7.6	7.9	10	67	4						
72525 YOUNGSTOWN, OH.	4116N	0804W	361	974.4	1018.5	7.3	8.1	13	67	3						
72528 BUFFALO/GREATER BUFFALO, NY.	4256N	0784W	215	990.5	1016.9	8.3	-2.4	8.6	15	154	81	6	130	80		
72529 ROCHESTER/R-MONROE CTY., NY.	4307N	0774W	169	995.7	1016.4	7.7	8.3	12	59	3	94	60				
72530 CHICAGO/O'HARE, IL.	4159N	0875W	205	994.0	1018.9	7.8	7.7	8	128	5	216	110				
72532 PEORIA/GREATER PEORIA, IL.	4040N	0894W	202	995.5	1019.9	9.0	7.6	6	27	2	247	120				
72533 FORT WAYNE/MUN., BAER FFL., IN.	4100N	0851W	252	988.5	1019.2	7.7	7.9	9	69	4	248	120				
72535 SOUTH BEND/S.T. JOSEPH CO., IN.	4142N	0861W	236	989.4	1018.1	7.7	8.1	12	170	5						
72536 TOLEDO/EXPRESS, OH.	4136N	0834W	211	993.3	1018.5	7.3	7.3	8	111	119	65					
72537 DETROIT/METROPOLITAN, MI.	4214N	0832W	202	992.6	1017.0	7.8	-4.5	8.1	13	91	35	4	131	75		
72544 MOLINE/QUAD CITY, IL.	4127N	0903W	181	997.8	1019.7	8.5	6.9	6	60	3	216	110				
72546 DES MOINES/MUN., IA.	4132N	0933W	294	984.6	1020.0	8.8	-3.8	7.0	-2.2	3	15	-42	1	251	120	
72553 OMAHA, NE.	4122N	0960W	406	971.7	1020.2	10.2	-2.4	7.7	1	3	-52	1				
72556 NORFOLK/KARL STEFAN, NE.	4159N	0972W	473	963.6	1020.1	8.9	6.9	0	1	1						
72557 SIOUX CITY/MUN., IA.	4224N	0962W	336	979.6	1020.2	8.6	7.1	1	2	1	251	120				
72562 NORTH PLATTE/LEE BIRD, NE.	4108N	1004W	849	921.2	1020.1	9.3	-0.8	6.8	0.0	0	-22	0	256	102		
72564 CHEYENNE, WY.	4109N	1044W	1872	815.1	1018.3	10.2	6.0	1	2	1	273	115				
72569 CASPER/NATRONA COUNTY I., WY.	4255N	1062W	1612	840.4	1018.4	9.9	5.1	1	3	1						
72572 SALT LAKE CITY/INTL, UT.	4047N	1115W	1288	875.0	1018.3	15.6	4.1	7.3	0.5	0	0	-29	0	289	115	
72576 LANDER/HUNT, WY.	4249N	1084W	1694	832.2	1017.7	12.0	5.3	0	0	0	0	0	0	254	105	
72578 POCAHOTELLO/NUM., ID.	4255N	1123W	1365	866.1	1018.3	12.9	6.3	0	0	1	294	125				
72583 WINNEMUCCA/MUN., NV.	4054N	1174W	1322	871.7	1018.6	12.8	3.5	4.5	-0.8	1	-14	1				
72594 EUREKA, CA.	4048N	1241W	18	1015.6	1017.8	12.9	0.4	12.8	2	10	-60	0				
72597 MEDFORD/MEDFORD-JACKSON, OR.	4222N	1225W	405	969.9	1017.4	16.6	4.4	9.5	0.9	1	-40	1				
72605 CONCORD/MUN., NH.	4312N	0713W	105	1004.3	1017.0	7.2	8.0	7	31	1	120	65				
72606 PORTLAND/INTL JET PORT, ME.	4339N	0701W	19	1014.4	1016.9	8.1	8.3	9	88	3						
72617 BURLINGTON/INTL, VT.	4428N	0730W	104	1004.8	1017.4	6.9	-1.9	7.7	-1.4	13	52	-19	2	111	70	
72635 GRAND RAPIDS/KENT CO., MI.	4253N	0853W	245	987.2	1017.4	6.8	7.9	15	136	132	85					
72636 MUSKEGON/COUNTY, MI.	4310N	0861W	193	993.6	1016.9	7.3	8.2	16	122	5						
72637 FLINT/BISHOP, MI.	4258N	0834W	233	988.8	1017.2	7.1	8.1	14	70	4						
72640 MILWAUKEE/GEN. MITCHELL, WI.	4257N	0875W	211	991.6	1017.5	7.7	7.3	10	75	4	193	110				
72641 MADISON/DANE COUNTY REG., WI.	4308N	0892W	264	985.7	1017.9	6.4	-3.6	6.9	7	41	-20	2	224	130		
72644 ROCHESTER/MUN., MN.	4355N	0923W	402	970.6	1018.9	5.6	6.0	2	10							
72645 GREEN BAY/A.-STRAUBEL, WI.	4429N	0880W	214	990.7	1017.2	5.8	7.4	9	50	3						
72651 SIOUX FALLS/FOSS FIELD, SD.	4335N	0964W	435	967.7	1020.7	7.0	6.3	0	1	1						
72654 HURON/HURON REGIONAL, SD.	4423N	0981W	393	972.1	1019.4	7.4	-2.1	6.2	1	2	-34	1	286	135		
72658 MINNEAPOLIS/ST.PAUL INTL, MN.	4453N	0931W	255	987.3	1018.4	6.7	-3.2	6.2	4	20	-29	2	252	140		
72662 RAPID CITY/REG., SD.	4403N	1030W	966	907.9	1019.6	9.8	0.0	5.8	0.2	3	19	-2	3	280	125	
72666 SHERIDAN/COUNTY, WY.	4446N	1065W	1209	1019.4	1019.4	10.6	2.3	6.3	0.8	5	32	3	4	245	115	
72677 BILLINGS/LOGAN INTL, MT.	4548N	1083W	1088	894.2	1018.6	11.1	6.4	4	26	3	255	125				
72681 BOISE/MUN., ID.	4334N	1161W	874	918.3	1018.2	15.5	4.5	6.6	0.6	0	-19	0	304	130		
72688 PENDLETON, OR.	4541N	1185W	456	964.7	1018.4	14.7	8.6	1	3	1						
72698 PORTLAND/INTL, OR.	4536N	1223W	12	1017.3	1018.8	14.6	1.3	13.3	3.4	2	-80	0	136	90		
72712 CARIBOU/MUN., ME.	4652N	0680W	190	992.5	1015.8	4.7	-1.5	7.3	-0.3	12	78	-1	3			
72734 SAULT STE. MARIE, MI.	4628N	0842W	221	987.8	1014.8	5.1	-2.2	7.2	-1.2	15	115	38	5	93	75	
72743 MARQUETTE, MI.	4632N	0873W	434	963.0	1015.6	3.3	-5.8	6.8	19	127	59	5				
72745 DULUTH/INTL, MN.	4650N	0921W	432	964.5	1017.1	3.7	-3.1	5.9	-1.0	8	27	-29	2	181	105	
72747 INT. FALLS/FALLS INTL, MN.	4834N	0932W	361	972.4	1016.6	3.2	-2.8	6.2	-0.1	6	26	-19	2			
72753 FARGO/HECTOR FIELD, ND.	4654N	0964W	274	985.2	1018.9	6.1	6.0	4	12	2	246	140				
72764 BISMARCK/MUN., ND.	4646N	1004W	506	958.7	1019.2	6.6	-1.2	5.3	-1.3	2	4	-17	1	227	120	
72767 WILLISTON/SLOULIN FIELD, ND.	4811N	1033W	581	950.0	1019.3	6.8	5.4	5.4	2	7	2	215	110			
72768 GLASGOW/INTL, MT.	4813N	1063W	700	936.4	1019.1	8.3	5.5	1	4	2						
72772 HELENA/COUNTY-CITY, MT.	4636N	1120W	1188	884.2	1020.0	10.2	3.0	8.5	3	18	1	4				
72773 MISSOULA/JOHNSON-BELL F., MT.	4655N	1140W	972	907.8	1020.3	10.2	7.5	2	13	3	234	125				
72775 GREAT FALLS/INTL, MT.	4729N	1112W	1115	891.1	1019.5	9.8	0.8	6.6	1.3	3	17	-4	3	241	120	
72781 YAKIMA/YAKIMA AIR TERM., WA.	4634N	1203W	325	979.6	1018.3	12.8	9.0	0	1	1						
72785 SPOKANE/INTL, WA.	4738N	1173W	721	934.7	1018.7	11.8	3.2	8.6	1.7	1	-24	1	227	125		
72791 ASTORIA/CLATSOP, OR.	4609N	1235W	7	1017.9	1018.7	13.1	13.1	9	54							
72792 OLYMPIA, WA.	4658N	1225W	61	1018.7	12.1	2.1	12.6	2.7	8	57	-45	2				
72793 SEATTLE/S.-TACOMA, WA.	4727N	1221W	137	1002.3	1018.8	13.1	12.8	7	57	2	94	65				
72797 QUILLAYUTE, WA.	4756N	1243W	62	1011.0	1018.7	11.7	1.6	12.4	1.9	14	205	-60	3			
74492 BLUE HILL OBS., MA.	4213N	0710W	195	992.9	1017.0	8.8	-2.4	8.5	-1.7	9	79	-24	2	165	85	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE				
N AMERICA																		
CANADA																		
71043 NORMAN WELLS, N.W.T.	6517N	12648W	73	1007.0	1016.5	-6.5	-1.8	3.5	-0.3	6	31	4	4	64 110				
71072 MOULD BAY A, N.W.T.	7614N	11919W	12	1014.4	1016.1	-16.2	1.4	1.6	0.0	6	17	8	5	22 200				
71081 HALL BEACH, N.W.T.	6847N	08115W	8	1006.4	1007.5	-5.8	4.7	3.7	0.7	29	40	19	5					
71082 ALERT, N.W.T.	8230N	06220W	63	1003.5	1012.3	-17.1	2.5	1.5	0.3	5	15	2	4	8 90				
71090 CLYDE, N.W.T.	7028N	06837W	25	1003.9	1007.3	-4.6	2.3	4.1	0.7	16	46	12	4	29 60				
71101 SANDSPIT, B.C.	5315N	13149W	6	1013.2	1014.0	10.0	1.1	10.5	0.6	18	141	-55	2	85 95				
71109 PORT HARDY, B.C.	5041N	12722W	22	1014.8	1017.4	9.9	1.2	11.2	1.5	18	181	-64	2	87 90				
71600 SABLE ISLAND, N.S.	4356N	06001W	4	1017.3	1017.8	10.7	-0.8	10.8	-0.5	12	97	-19	3	152 125				
71601 SHEARWATER, N.S.	4438N	06330W	41	1010.7	1017.0	8.3	-1.2	9.1	-0.7	12	251	130	6	159 100				
71624 TORONTO INTL AIRPORT, ONT.	4341N	07938W	176	994.5	1015.7	7.2	-2.1	8.1	-1.2	10	67	5	4					
71627 MONTREAL/DORVAL INTL, QUE.	4528N	07345W	36	1011.0	1015.3	6.2	-2.5	7.8	-0.8	13	88	12	4	80 60				
71707 SYDNEY, N.S.	4610N	06003W	60	1009.2	1016.8	7.6	-0.8	9.2	0.1	13	198	75	5	139 105				
71717 CHATHAM, N.B.	4701N	06527W	34	1011.1	1015.3	5.5	-1.6	7.4	-0.5	14	150	54	5	142 100				
71722 MANIWAKI, QUE.	4623N	07558W	170	993.0	1014.0	4.4	-1.9	7.3	-0.4	15	157	84	6	78 65				
71727 BAGOTVILLE, QUE.	4820N	07100W	163	995.4	1015.0	3.9	-1.4	6.3	-0.6	11	61	-11	3					
71731 NORTH BAY, ONT.	4622N	07925W	369	969.2	1014.2	4.4	-2.0	6.6	-1.1	11	129	41	5	105 90				
71803 GANDER INTL AIRPORT, NFLD.	4857N	05434W	147	998.3	1017.0	6.6	0.6	8.4	0.8	15	63	-42	1	118 105				
71811 SEPT-ILES, QUE.	5013N	06616W	55	1007.8	1014.7	3.1	-0.5	6.4	0.3	16	145	48	5	112 90				
71815 STEPHENVILLE, NFLD.	4832N	05833W	26	1012.7	1015.9	7.3	0.3	8.3	0.5	19	108	-3	3	83 95				
71816 GOOSE, NFLD.	5319N	06025W	44	1007.7	1013.8	3.5	0.9	6.1	0.5	11	76	-1	4	93 100				
71831 KAPUSKASING, ONT.	4925N	08228W	229	985.7	1013.7	2.3	-2.1	6.0	-1.0	11	61	-15	2					
71836 MOOSONEE, ONT.	5116N	08039W	10	1011.1	1012.4	1.9	-2.2	5.9	-0.8	13	78	4	3	90 100				
71848 BIG TROUT LAKE, ONT.	5350N	08952W	222	986.3	1016.9	-0.1	-1.9	5.4	-0.4	10	32	-24	1	55 130				
71852 WINNIPEG INTL AIRPORT, MAN.	4955N	09714W	240	988.0	1017.4	3.8	-2.3	5.8	-0.8	4	27	-4	3	194 130				
71863 REGINA, SASK.	5026N	10440W	574	949.3	1019.3	4.4	-0.8	4.8	-0.8	3	8	-11	2	205 120				
71867 THE PAS, MAN.	5358N	10106W	271	982.9	1016.4	3.0	-0.6	5.5	-0.5	3	9	-24	1	160 135				
71874 LETHBRIDGE, ALTA.	4938N	11248W	920	909.8	1018.2	9.1	1.6	5.9	0.2	3	11	-7	3	209 120				
71879 EDMONTON MUNICIPAL, ALTA.	5334N	11331W	676	936.4	1016.3	7.2	1.5	6.4	0.7	1	2	-15	1	207 130				
71892 VANCOUVER INTL AIRPORT, B.C.	4911N	12311W	2	1018.5	1018.8	11.3	1.3	12.0	1.6	11	108	-6	3	82 70				
71896 PRINCE GEORGE, B.C.	5353N	12241W	691	934.9	1017.6	6.2	1.4	7.5	1.0	10	48	-11	2	134 120				
71906 KUJJUUAQ, QUE.	5806N	06825W	37	1004.9	1009.6	1.2	2.0	5.3	0.2	9	44	-5	3	72 145				
71907 INUKJUAK, QUE.	5827N	07807W	8	1006.4	1007.2	2.2	2.6	5.9	0.4	16	77	31	5	43 85				
71909 FROBISHER BAY, N.W.T.	6345N	06833W	34	1003.6	1007.9	-1.2	3.8	4.6	0.8	9	43	-1	3	40 70				
71913 CHURCHILL, MAN.	5845N	09404W	29	1009.4	1013.1	-2.0	-0.5	4.9	0.3	15	69	26	5	65 105				
71915 CORAL HARBOUR, N.W.T.	6412N	08322W	64	1000.3	1008.4	-3.8	4.0	4.2	0.7	9	28	-5	3	74 85				
71917 EUREKA, N.W.T.	8000N	08556W	10	1011.1	1012.5	-15.5	6.6	1.6	0.4	5	13	6	5	15 165				
71924 RESOLUTE, N.W.T.	7443N	09459W	67	1000.9	1009.8	-11.4	3.7	2.5	0.6	8	22	8	5	33 140				
71925 CAMBRIDGE BAY, N.W.T.	6906N	10507W	27	1011.3	1015.0	-9.7	1.9	3.2	0.7	2	5	-10	1	84 145				
71926 BAKER LAKE, N.W.T.	6418N	09600W	18	1012.3	1014.7	-6.3	1.3	3.8	0.5	9	62	31	5	72 100				
71934 FORT SMITH, N.W.T.	6001N	11158W	203	990.1	1015.8	0.4	0.1	5.4	0.2	6	14	-12	1	105 120				
71938 COPPERMINE, N.W.T.	6749N	11509W	22	1013.2	1016.1	-6.8	-0.2	3.7	0.0	6	23	-1	3	86 185				
71945 FORT NELSON, B.C.	5850N	12236W	382	968.3	1015.6	-1.0	-2.1	6.2	1.2	7	49	25	5	111				
71957 INUVIK, N.W.T.	6818N	13329W	68	1008.0	1017.0	-10.6	-2.5	2.7	-0.4	9	31	-2	3	43 85				
71964 WHITEHORSE, Y.T.	6043N	13504W	703	925.3	1010.1	0.8	0.2	4.9	0.1	6	13	-9	2	66 70				
ST. PIERRE AND MIQUELON																		
71805 SAINT-PIERRE	4646N	05610W	5	31	1017.4	1018.0	8.7	0.1	10.0	0.9	13	122	-20	3	98			
MEXICO																		
76225 UNIV. DE CHIHUAHUA, CHIH.	2838N	10605W	1435	861.3	1015.8	18.0	-0.8	12.7	0.2	4	26	8	5	237				
76382 TORREON, COAH.	2532N	10327W	1124	891.0	1012.1	22.7	0.5	12.5	-2.8									
76393 MONTERREY, N.L.	2552N	10012W	512	959.2	1016.9	22.3	0.1	19.3		4	14	-64		157				
76405 LA PAZ, B.C.S.	2410N	11025W	27	1010.6	1013.6	24.8	-1.5	19.3	0.1	0	0	-17	0	125				
76458 COLONIA JUAN CARRASCO MAZ.	2312N	10625W	4	1011.0	1011.0	27.9	0.8	28.3	0.8	2	13	-64		289 195				
76548 TAMPICO, TAMPS	2213N	09751W	9	1014.5	1017.5	26.0	0.5	24.8	0.1	7	112	-10	3	222				
76577 GUANAJUATO, GTO.	2101N	10115W	1999	805.0	1012.1	17.4	0.0	14.3	1.2	2	19	-28	2	307 80				
76612 GUADALAJARA, JAL.	2040N	10323W	1551	847.8	1012.4	20.1	1.1	14.8	-1.9	3	37	-33	2	260 120				
76644 AEROP. INTL MERIDA, YUC.	2059N	08939W	9	1013.6	1014.6	25.5	-0.4	26.3	5	28	-86	257		145				
76654 MANZANILLO, COL.	1903N	10420W	3	1011.5	1011.9	28.7	0.9	29.6	0.5	3	43	-96		268				
76665 MORELIA, MICH.	1942N	10111W	1913	812.7	1011.3	17.2	-0.9	13.8	1.0	5	20	-39	1	247 75				
76741 COATZACOALCOS, VER.	1809N	09425W	23	1012.4	1016.4	25.5	-0.7	26.5	-2.8	21	348	-144	2	136				
76750 CHETUMAL, Q.ROO	1830N	08818W	3	1008.5	1009.5	26.7	-0.1	27.9	14	91	-13	3	194					
76805 ACAPULCO, GRO.	1650N	09956W	28	1011.5	1011.5	28.6	0.4	31.4	2	35	-125	253		120				
76833 SALINA CRUZ, OAX.	1610N	09512W	6	1011.4	1012.1	28.5	0.8	21.2	-2.4	2	6	-60		267				
76845 SN.CRISTOBAL LAS CASAS, CHIS	1644N	09238W	2276	794.5	1014.2	14.3	-0.5	13.7	13	115	-5	3	141	90				

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
N AMERICA	0°	0°	0	mb	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	x	
BAHAMAS																
78073 NASSAU AIRPORT	2503N	07728W	7	1013.8	1014.6	26.0	0.3	27.6	0.9	9	133	-74	2		120	
CUBA																
78325 CASA BLANCA, HABANA	2310N	08221W	50	1008.9	1014.5	25.9	0.3	26.8	0.1	14	256	79	5			
JAMAICA																
78388 MONTEGO BAY/SANGSTER	1830N	07755W	8	1011.7	1012.6	27.6	0.6	27.7	1.7	12	34	-126	0	265	120	
78397 KINGSTON/NORMAN MANLEY	1756N	07647W	14	1009.8	1011.4	28.3	0.8	27.5	-0.3	4	4	-174	0	240	105	
DOMINICAN REPUBLIC																
78457 PUERTO PLATA	1945N	07033W	15	1011.4	1012.8	26.5	-0.3	27.2	-1.2	12	113	-19	3			
78486 SANTO DOMINGO	1826N	06953W	14	1010.9	1012.5	27.0	0.6	28.6	-0.7	12	141	-21	3			
PUERTO RICO AND US POSS																
78526 SAN JUAN/INTL, PUERTO RICO	1826N	06600W	19	1010.1	1012.2	27.6	0.2	28.6	1.4	14	105	-36	2			
BELIZE																
78583 BELIZE/INTL AIRPORT	1732N	08818W	5	1013.1	1013.6	26.5	-0.1	29.3	0.3	19	272	14	4		46	
COSTA RICA																
78760 PUNTARENAS	0958N	08450W	3	1011.6	1011.6	26.0	-0.8	30.0	0.1	16	428	158	6		90	
78762 JUAN SANTAMARIA	1000N	08413W	939	909.2	1010.4	21.9	0.8	22.3	24	458	116	5	144		90	
78767 PUERTO LIMON	1000N	08303W	3	1009.9	1009.9	25.4	-0.8	29.1	0.6	15	244	92	5			
ST. MAARTEN, ST. EUST., SABA																
78866 JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9	1012.6	1013.1	28.6	0.3	28.9		15	76	-25	2	241	100	
ST. MARTIN, ST. BARTH., GUAD.																
78897 LE RAIZET, GUADELOUPE	1616N	06131W	8	1011.1	1012.0	26.8	0.6	28.7	0.2	18	226	58	3		94	
MARTINIQUE																
78925 LE LAMENTIN	1436N	06100W	4	1010.2	1011.0	26.8	1.1	30.9	3.0	23	390	159	5		92	
TRINIDAD AND TOBAGO																
78970 PIARCO INTL AIRPORT, TRINIDAD	1037N	06121W	15	1008.0	1010.5	26.4	0.3	29.4	0.7	20	488	323	6	183	88	
CURACAO AND BONAIRE																
78988 HATO AIRPORT, CURACAO	1212N	06858W	67	1008.7	1009.6	27.2	-1.1	30.2	0.3	18	373	301	6	196	76	
COLOMBIA																
80001 SAN ANDRES (ISLA)	1235N	08143W	6	1009.6	1009.7	26.4	-1.2	31.3	0.5	19	300	38	3	158		
80002 PROVIDENCIA (ISLA)	1322N	08121W	6			27.6	30.7			19	222			200		
S AMERICA																
COLOMBIA																
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14	1007.3	1007.8	27.2		29.3		8	117			216		
80022 CARTAGENA/CRESPO	1027N	07531W	12	1009.4	1009.6	27.8		30.2		14	310			201		
80028 BARRANQUILLA/ERNESTOCORTISSO	1054N	07446W	30			26.2	-1.1	30.5	0.5	13	218	68	5	166		
80084 APARTADO	0748N	07642W	30			27.4		29.3		20	587			132		
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134			26.9	-0.2	29.0	0.8	20	610	220	6	176		
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189			20.5		22.0		17	216			153		
80097 CUCUTA/CAMILLO DAZA	0756N	07231W	317	974.7	1007.4	26.6	-0.5	26.2	1.0	10	252	96	5	214		
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128			26.7		28.8		11	168			196		
80112 RIONEGRO/J.M.CORDOVA	0611N	07526W	2142	789.9		16.0		14.3		20	294					
80139 PUERTO CARRENO	0610N	06730W	55			27.2		28.3		14	219			185		
80144 QUIBDO/EL CARANO	0543N	07637W	33			26.0		28.6		26	581			126		
80210 PEREIRA/MATECANA	0449N	07548W	1342	865.3		20.4		19.0		19	287			139		
80214 IBAGUE/PERALES	0426N	07509W	928			22.8		22.0		13	107			154		
80222 BOGOTA/ELDORADO	0442N	07408W	2548	752.7		13.2	0.1	12.5	0.2	15	118	8	4	125		
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431			25.4		25.4		19	393			154		
80241 GAVIOTAS	0433N	07055W	167	987.0	1006.2	25.9	0.3	27.8	0.1	18	262	-81	2	96		
80251 BUENAVENTURA/COLPUERTOS	0355N	07705W	10			25.4		29.4		29	706			96		
80259 CALI/PALMASECA	0333N	07623W	969	905.6		23.0	-0.2	20.9	0.1	15	128	4	4	155		
80315 NEIVA/LA MANGUITA	0258N	07518W	443			26.8	-0.8	24.0	-0.4	16	333	121	6	171		

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					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	MM	TOTAL	% OF AV.				
S AMERICA																			
COLOMBIA																			
80370 IPIALES/SAN LUIS	0049N	07738W	2961				10.5	-0.6	10.6	-0.2	14	123	32	4	129				
80398 LETICIA/VASQUEZ COBO	0410S	06957W	84		999.1	1008.6	26.3	0.0	28.9	-0.1	14	264	-27	3	172				
VELENZUELA																			
80403 CORO	1125N	06941W	17		1009.4	1011.3	28.1	-0.4	29.3		9	125	59	4	218				
80410 BARQUISIMETO	1004N	06919W	614		941.2	1008.7	23.4	-0.9	24.7		9	89	45	5	209				
80412 PTO. CABELO, B.N.	1030N	06800W	2		1010.9	1011.1	27.4		30.1		9	53			90				
80413 MARACAY - B.A. SUCRE	1015N	06739W	437		963.6	1012.1			25.7	2.0	10	89	-1	3	197				
80415 CARACAS/MAIQUETIA AEROP. INTL	1036N	06659W	48		1005.1	1010.5	27.0	-0.5	34.5		12	153	105	6	172				
80416 CARACAS/LA CARLOTA	1030N	06653W	835		916.9		19.6	-2.8	20.3	-0.7	16	249	135	6					
80419 BARCELONA	1007N	06441W	7		1009.6	1010.4	28.3	1.5	32.3	4.8	11	104	45	5	214				
80420 CUMANA	1027N	06411W	4		1010.4	1011.0	25.6		27.8		10	156			85				
80421 PORLAMAR(AP INTL DEL CARIBE)	1055N	06358W	19		1010.4	1012.6	28.0		31.3		10	168			224				
80423 GUIRIA	1035N	06219W	14		1008.2	1010.1	27.2	-0.4	30.2		14	193	94	5	206				
80425 MENE GRANDE	0949N	07056W	28		1006.2	1009.3	27.6		30.9		15	169			85				
80426 VALERA	0921N	07037W	582		946.5	1010.6	24.4		26.3		20	203			153				
80427 ACARIGUA	0933N	06914W	225		985.6	1010.9	25.7		25.6		11	107			95				
80428 GUANARE	0901N	06944W	163		992.1	1010.5	25.7		27.1		12	189			211				
80435 MATORIN	0945N	06311W	66		1000.6	1008.0	25.8	-0.8	24.2		9	119	20	4	219				
80438 MERIDA	0836N	07111W	1498		851.7	1514	18.9	-0.1	17.4	-0.7	19	282	26	4	179				
80447 SAN ANTONIO DEL TACHIRA	0751N	07227W	378		967.1		25.7	-0.7	24.9	0.9	16	161	65	5	198				
80448 GUASDUALITO	0714N	07048W	131			1014.5	25.9		27.4						102				
80450 SAN FERNANDO DE APURE	0754N	06725W	48		1005.7	1011.2	26.2	-0.9	30.8	1.9	8	187	78	5	220				
80457 PUERTO AYACUCHO	0536N	06730W	74		1001.8	1010.4	27.8	1.3	26.4	-0.9	15	169	-26	2	170				
80462 SANTA ELENA DE UAIREN	0436N	06107W	907				21.3	-0.3	20.0	-0.1	11	80	-28	2	227				
80478 TEMBLADOR	0901N	06237W	30		1003.9	1007.5	25.3		27.8		8	130			99				
SURINAME																			
81225 ZANDERIJ	0527N	05512W	15		1007.7	1010.1	28.0	1.2	27.8		8	88	9	3	253				
FRENCH GUIANA																			
81405 CAYENNE/ROCHAMBEAU	0450N	05222W	9		1009.6	1010.7	26.8	0.4	28.9	0.8	10	133	64	5	108				
BRAZIL																			
82098 MACAPA	0002N	05103W	15	31	1007.1	1010.7	28.4		29.7		6	31							
82212 FONTE BOA	0232S	06610W	55	31	1009.6	1010.2	26.9		31.2		11	101			1				
82280 SAO LUIZ	0232S	04417W	51	31	1003.8	1009.7	26.7	0.3	28.9	1.7	1	3	-7	3					
82331 MANAUS	0308S	06001W	72	31	1000.7	1008.9	27.8	0.2	28.5	0.0	10	112	-4	3					
82397 FORTALEZA	0344S	03833W	19		1007.7	1010.8	27.1	0.2	26.1	0.3	1	14	1	4					
82445 ITAITUBA	0416S	05558W	45	31	1006.0	1011.2	27.9		34.4		12	80							
82571 BARRA DO CORDA	0530S	04516W	153	31	990.1	1010.1	27.6	0.4	27.1	1.3	6	14	-38	0					
82578 TEREZINA	0505S	04249W	74		999.3		29.1		26.6		3	40			3				
82583 CRATEUS	0510S	04040W	299		974.9	1008.1	29.1				1	1							
82586 QUIXERAMOBIM	0512S	03918W	211		986.1	1009.8	27.9	-0.4	21.6	1.5	1	2	0	4					
82640 JACAREACANGA	0616S	05744W	98		997.8	1009.1	27.0		30.3		17	393							
82765 CAROLINA	0720S	04728W	192		987.6	1011.5	27.2	0.5	24.8	-1.0	11	225	123	5					
82784 BARBALHA	0719S	03918W	409		963.8	1010.1	27.5		17.2		10	78							
82791 PATOS	0701S	03716W	249		981.1	1009.3	30.5				0	0							
82825 PORTO VELHO	0846S	06305W	95		999.5	1006.1	26.5	0.0	29.8	-0.1	7	135	-63	2					
82900 RECIFE (CURADO)	0803S	03455W	7		1012.1	1013.0	26.2	0.7	25.7	1.2	15	28	-21	3					
82983 PETROLINA	0923S	04029W	370		968.6	1009.7	26.9	0.1	20.3	1.2	3	7	-22	3					
83064 PORTO NACIONAL	1031S	04843W	250										100	-65	2				
83096 ARACAJU	1055S	03703W	6		1011.5	1012.2	26.6	0.8	27.0	0.5	10	60	3	3					
83186 JACOBINA	1111S	04028W	484		957.0		24.6		20.5		8	83			5				
83208 VILHENA	1244S	06008W	652		941.2	1009.2	25.3		26.2		11	113							
83229 SALVADOR	1301S	03831W	51		1006.1	1012.1	26.0	1.2	28.1	4.0	7	77	-31	3					
83235 TAGUATINGA	1216S	04626W	660		943.2	1009.6	25.2		21.9		14	145			4				
83236 BARREIRAS	1209S	04500W	440		959.4	1008.6	26.8		21.6		16	97			3				
83242 LENCOIS	1234S	04123W	438		963.1		23.6		22.4		12	64							
83264 VERA (GLEBA CELESTE)	1212S	05630W	415		967.6	1008.8	25.9		18.5		16	165							
83288 BOM JESUS DA LAPA	1316S	04325W	440		960.2	1010.8	27.3	0.7	21.1	1.7	6	57	-18	3					
83361 CUIABA	1533S	05607W	179		991.3	1008.2	28.6	1.1	27.5	3.7	5	37	-98	0					
83377 BRASILIA	1547S	04756W	1158								18	163	-3	3					
83492 TEOFILO OTONI	1751S	04130W	356		974.6	1012.8	24.3		21.4		8	43			2				
83498 CARAVELAS	1744S	03915W	3		1013.8	1014.3	25.3	1.2	21.1	-3.4	14	24			4				

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	mm	DEPARTURE				
S AMERICA																		
BRAZIL																		
83512 COXIM	1830S	05446W	286	973.6	1007.2	23.5	27.2	8	476	-1	3							
83552 CORUMBA	1900S	05739W	130	992.1	1007.2	26.5	0.1	7	87	-75	2							
83587 BELO HORIZONTE	1950S	04356W	850	911.9	1012.2	22.6	0.5	11	64	-44	1							
83611 CAMPO GRANDE	2028S	05440W	560	951.3	1009.9	24.4	-0.2	7	87	-44	1							
83618 TRES LAGOAS	2047S	05138W	313	973.9	1010.9	25.3	0.4	9	142	9	3							
83648 VITORIA	2019S	04020W	36	1010.9	1014.9	23.3	23.7	11	188	5								
83676 CATANDUVA	2108S	04858W	536	948.5	1011.3	23.2	19.9	13	145	5								
83692 JUIZ DE FORA	2146S	04321W	939	911.1	1015.4	18.0	-2.2	13	127	9	3							
83698 CAMPOS	2145S	04120W	11	1013.5	1014.9	23.0	23.7	14	142	3								
83702 PONTA PORA	2232S	05544W	650	935.3	1011.0	21.1	-0.4	10	133	-52	2							
83743 RIO DE JANEIRO	2255S	04310W	5	1015.3	1015.7	22.4	-0.5	11	148	63	5							
83766 LONDRINA	2323S	05111W	566	946.9	1011.0	21.7	0.1	17.1	-0.9	10	194	19	3					
83781 SAO PAULO	2330S	04637W	792	924.1	1013.0	18.7	-0.1	16.9	-0.5	14	170	36	4					
83836 IRATI	2528S	05038W	837	917.4	1012.8	16.9	14.6	7	144									
83842 CURITIBA	2526S	04916W	923	941.5	1014.4	16.0	-0.4	8	89	-53	1							
83881 IRAI	2711S	05314W	247	982.6	1012.5	10.2	15.9	9	177	3								
83897 FLORIANOPOLIS	2735S	04834W	2	1014.7	1014.9	19.4	-0.2	14	105	-9	3							
83967 PORTO ALEGRE	3001S	05113W	47	1008.4	1014.1	18.3	-0.7	15.5	-1.4	9	130	20	4					
83980 BAGE	3120S	05406W	217	985.9	1014.2	16.9	12.2	8	57	2								
83997 ST.VITORIA DO PALMAR	3331S	05321W	24	1011.0	1015.5	15.0	-0.7	3	46	-40	2							
ECUADOR																		
84008 SAN CRISTOBAL (GALAPAGOS)	0054S	08936W	6	1012.3		20.9	-1.1	3	6	0	4	184	105					
84088 IZOBAMBA-SANTA CATALINA	0022S	07833W	3058	706.4		11.4	11.2	25	170	4	139	90						
84132 NUEVO ROCAFUERTE	0055S	07524W	215			25.7	28.8	12	189	131	100							
84135 PORTO VIEJO-GRANJA	0102S	08026W	44	1006.1		24.3	0.0	23.4	0	0	-1	4	98	80				
84140 PICHILINGUE	0106S	07928W	73	1002.8		24.3	24.1	3	8	2	26	45						
84179 EL PUYO	0130S	07757W	950	904.9		21.7	22.3	19	170	0	139	125						
84202 MILAGRO	0207S	07936W	13	1013.0		24.5	23.2	0	1	2	43	70						
84226 CANAR	0233S	07856W	3120			10.7	-0.4	11	59	14	4	128	85					
84270 LOJA/LA ARGELIA	0402S	07912W	2040			16.2	13.9	17	743	271								
PERU																		
84370 TUMBES	0333S	08024W	27	1008.7		23.2	23.5	0	0									
84377 IQUITOS	0345S	07315W	126	1002.5	1012.8	18.8	-7.8	0	0	-235	0							
84401 PIURA	0511S	08036W	55	1008.5	1015.0	20.6	-2.9	0	0	-2	3							
84425 YURIMAGUAS	0554S	07605W	184	991.7	1018.8	27.8	0.6	3.0	11	263	97	5						
84452 CHICLAYO	0647S	07950W	34	810.2	1013.3	18.0	-0.5	0	0	-1	3							
84455 TARAPOTO	0627S	07623W	282	980.7	1015.8	26.3	-0.5	0.2	5	35	-87	1						
84472 CAJAMARCA	0708S	07828W	2622	739.5		13.0	-2.4	15	114	15	3							
84501 TRUJILLO	0806S	07902W	30	1010.7	1013.9	16.3	-0.6	1.2	0	0	-1	5						
84515 PUCALLPA	0825S	07436W	149	991.7	1008.4	26.4	-0.7	10	112	-44	3							
84531 CHIMBOTE	0910S	07831W	21	1014.0	1015.0	17.5	-1.3	0	0	0	0							
84534 TINGO MARIA	0908S	07557W	665	938.1	1009.7	25.7	1.1	12	184	-80	1							
84542 ANTA (HUARAZ)	0921S	07736W	2760	735.4		17.3	11.2	8	47	1								
84658 PUERTO MALDONADO	1238S	06912W	266	985.1	1013.9	25.8	-0.6	4	75	-68	1							
84673 AYACUCHO	1308S	07413W	2749	732.3		20.6	5.4	7.6	-2.0									
84691 PISCO	1345S	07617W	7	1011.5	1012.2	17.3	0.0	0	0	-1	0							
84752 AREQUIPA	1619S	07133W	2520	752.2		14.3	-2.1	0	0	0	5							
84782 TACNA	1804S	07018W	458	962.5	1016.0	15.9	-0.7	0.3	0	-4	3							
BOLIVIA																		
85041 COBIJA	1105S	06852W	252	1011.4		28.2	2.0	8	63	-106	0							
85043 RIBERALTA	1101S	06607W	135	1008.3		29.7	2.0	6	100	-34	2							
85104 SAN JOAQUIN	1304S	06440W	140	1007.4		29.8	2.0	6	58	-48	2							
85114 MAGDALENA	1320S	06409W	141	1007.7		29.1	1.0	6	83	21	1							
85123 SANTA ANA	1343S	06535W	144	1007.2		29.9	1.9	3	47	-95	1							
85141 RURRENABAQUE	1429S	06729W	202	1005.6		29.3	2.0	7	107	-16	2							
85154 TRINIDAD	1451S	06457W	157	1008.7		28.9	1.2	5	73	-59	1							
85196 CONCEPCION	1615S	06206W	497	1009.5		27.5	0.9	4	97	20	4							
85201 LA PAZ/ALTO	1631S	06811W	4071	627.4		11.7	1.8	8	21	-16	2							
85207 SAN IGNACIO DE VELASCO	1622S	06057W	413	1009.0		28.8	2.3	2	43	-40	2							
85223 COCHABAMBA	1727S	06606W	2548	748.4		22.3	1.8	4	31	14	5							
85230 CHARANA	1735S	06927W	4057	624.9		10.1	0.5	1	2	-3	3							
85242 ORURO	1803S	06704W	3702	652.7		13.6	0.8	2	10	-5	3							

S AMER-BOLIVIA

S AMER-BOLIVIA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
S AMERICA	0°	0°	■	■	mb	mb	°C	°C	mb	mb	■	■	■	hr
BOLIVIA														%
85245 SANTA CRUZ	1748S	06310W	414	30		1007.6	28.0	1.9			10	96	-2	3
85268 ROBORE	1819S	05945W	265	31		1008.5	30.0	1.9			7	57	-12	3
85283 SUCRE	1901S	06516W	2903	31	718.4		17.6	0.5			3	36	-16	3
85289 PUERTO SUAREZ	1900S	05744W	135	31		1007.3	29.1	0.8			6	98	18	4
85315 CAMIRI	2003S	06334W	810	30		1014.0	25.4	-0.1			3	20	-18	2
CHILE														
85406 ARICA	1821S	07020W	55		1009.0	1016.4	17.2	-0.1	14.3	-0.2	0	0	0	5 195
85442 ANTOFAGASTA	2326S	07027W	140		1001.4	1015.6	15.6	0.4	14.0	0.7	0	0	0	5 270
85469 ISLA DE PASCUA	2710S	10926W	69		1017.0	1022.7	18.7	-0.6	18.1	1.0	8	78	11	4 211
85488 LA SERENA	2955S	07112W	146		999.5	1016.5	12.3	-0.3	12.0	-0.1	0	0	-3	0 215
85585 ISLA ROBINSON CRUSOE	3337S	07850W	30		1020.0	1023.6	13.0	-0.3	11.1	-0.6	4	23	-27	1 220
85766 VALDIVIA	3938S	07305W	19		1017.2	1019.5	9.8	-0.8	10.0	-0.2	10	83	-32	2 195
85799 PUERTO MONTT	4126S	07306W	90		1008.9	1019.1	8.6	-0.7	8.7	-1.1	16	119	-6	3 154
85934 PUNTA ARENAS	5300S	07051W	44		997.5	1001.9	5.2	-1.2	6.7	-0.1	7	54	33	5 176
PARAGUAY														
86068 MARISCAL ESTIGARIBIA	2201S	06036W	181		991.9	1012.6	25.6	-1.4	15.2	-0.9	3	38	-17	3 220 90
86086 PUERTO CASADO	2217S	05752W	87		1006.8	1016.4	24.4	-1.4	19.4	-1.5	4	94	-34	3
86097 PEDRO JUAN CABALLERO	2235S	05539W	662		937.0		21.5	-0.9	19.2		10	153	-8	3
86134 CONCEPCION	2325S	05718W	74		1001.5	1011.4	23.8	-1.5	21.5	5.4	8	135	6	3 191 90
86218 ASUNCION/AEROPUERTO	2516S	05738W	101		1001.9	1013.2	22.4	-1.6	16.5	-2.1	8	160	19	4 232 100
86233 VILLARRICA	2545S	05626W	161		994.5	1013.0	21.1	-1.3	16.7	-1.6	8	213	29	4 247 110
86248 PUERTO PRESIDENTE STROESSNER	2532S	05436W	196		990.2	1011.6	21.4	-0.8	16.6	-2.0	9	176	-37	2 195 90
86255 PILAR	2651S	05819W	56		1007.7	1014.3	21.5	-1.0	15.9	-2.2	8	116	-38	3
86260 SAN JUAN BAUTISTA MISIONES	2640S	05709W	126		1000.2	1015.0	20.8		16.3		9	194	4	
86297 ENCARNACION	2719S	05550W	91		1004.5	1013.9	19.9	-1.6	15.6	-2.4	9	257	59	4 242 110
URUGUAY														
86330 ARTIGAS	3023S	05630W	123		999.3	1013.6	17.9		12.3		5	61		
86360 SALTO	3123S	05757W	34		1009.8	1013.6	18.2	0.7	12.3	1.7	3	94	-35	2
86440 MELO	3222S	05411W	100	31	1001.6	1013.7	16.2	-0.8	12.6	-2.6	3	46	-56	2
86460 PASO DE LOS TOROS	3248S	05631W	75		1004.8	1013.7	16.6	-0.8	11.3		4	51	-78	2
86490 MERCEDES	3315S	05804W	22		1012.0	1014.1	15.7	-1.2	11.2		6	78	-14	3
86500 TREINTA Y TRES	3313S	05423W	46		1008.7	1014.2	15.9	-0.3	12.7		3	24	-108	0
86550 COLONIA	3427S	05750W	23		1011.5	1014.3	15.9	-1.0	11.2		7	162	53	4
86565 ROCHA	3429S	05418W	18		1012.8	1015.1	14.3	-0.6	11.9		7	63	-27	3
86580 CARRASCO	3450S	05600W	32		1009.8	1013.9	14.6	-1.0	11.2		11	141	39	4
ARGENTINA														
87007 LA QUIACA OBSERVATORIO	2206S	06536W	3459		671.6	3107 Z	10.1	-0.7	5.3	-1.5	2	12	-2	4
87016 ORAN AERO	2309S	06419W	357		968.3	1008.7	23.1		16.2		5	43	3	150 90
87046 JUJUY AERO	2423S	06505W	904				21.2	1.8	11.9	-1.6				
87047 SALTA AERO	2451S	06529W	1221		876.8	1484 Y	18.0	-0.4	10.7	-1.5	4	9	-18	1 137 73
87065 RIVADAVIA	2410S	06254W	205		984.5	1008.0	25.0	0.2	18.2		3	9	-30	1
87078 LAS LOMITAS	2442S	06035W	130		994.5	1009.5	23.7	-0.3	15.0	-1.9	7	87	22	5 260 100
87097 IGUAZU AERO	2544S	05428W	270		981.1	1012.0	21.0		16.7		9	170	2	140 85
87121 TUCUMAN AERO	2651S	06506W	450		959.4	1010.1	22.0		14.1					
87129 SANTIAGO DEL ESTERO AERO.	2746S	06418W	199		987.0	1010.0	20.4	-1.6	13.1	-1.5	2	7	-25	1 206 89
87149 PRES. ROQUE SAENZ PENA AERO	2649S	06027W	92		1000.8	1011.5	22.6	0.0	14.2	-2.8	2	38	-39	2 287 119
87155 RESISTENCIA AERO.	2727S	05903W	52		1005.9	1011.9	20.7	-0.4	15.5	-1.9	8	119	-18	3 230 130
87162 FORMOSA AERO	2612S	05814W	60		1003.5	1010.4	22.0	-0.1	16.8	-2.2	9	169	20	4 220 90
87166 CORRIENTES AERO.	2727S	05846W	62		1004.9	1012.1	21.4	0.1	14.6	-3.1	8	87	-59	2 268 110
87178 POSADAS AERO.	2722S	05558W	125		996.7	1012.0	21.2	0.1	15.3	-1.8	9	191	-8	3 194 98
87217 LA RIOJA AERO.	2923S	06649W	429		960.3	1008.5	22.9	0.9	10.4	-2.3	0	0	-17	1 316 122
87222 CATAMARCA AERO.	2836S	06546W	454		956.7	1007.6	23.3	0.6	10.0	-2.4	0	0	-24	0 269
87257 CERES	2953S	06157W	88		1002.3	1012.5	19.4	-0.2	12.0	-4.0	3	27	-50	1 281 115
87289 PASO DE LOS LIBRES AERO	2941S	05709W	70		1002.8	1010.9	18.8	-0.7	13.5	-3.1	4	86	-69	2 239 125
87320 CHAMICAL AERO	3022S	06617W	461		958.8	1010.4	22.2		9.2		0	0	1	
87322 CHEPES	3120S	06636W	658		937.7	1011.1	20.9	1.2	8.8	-4.1	0	0	-35	1
87328 VILLA DOLORES AERO	3157S	06508W	569		946.8	1010.8	21.6		7.9		2	8	1	190 70
87344 COORDONA AERO	3119S	06413W	474		958.8	1012.7	18.6	0.8	10.5	-1.9	2	40	-30	2 250 105
87349 PILAR OBSERVATORIO	3140S	06353W	338		974.6	1013.3	20.1	2.8	9.0	-3.1	2	44	-28	2 278 113
87395 CONCORDIA AERO	3118S	05801W	38		1014.0	1018.5	18.0	-0.6	12.2	-2.7	3	54	-79	2 233
87418 MENDOZA AERO	3250S	06847W	704		933.2	1011.7	18.0	0.5	6.9	-2.5	1	1	-19	2 324 115

S AMER-ARGENTINA

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SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.	
S AMERICA																	
	°	°	m	m	m b	m b	°C	°C	m b	m b	m m	m m	m m	hr	%	%	
ARGENTINA																	
87436 SAN LUIS AERO	3316S	06621W	713		931.9	1010.3	18.5	0.7	7.5	-2.4	0	7	-44	1	331	115	
87448 VILLA REYNOLDS AERO	3344S	06523W	486		957.9	1013.6	16.1	-1.2	9.9	-1.2	2	5	-51	1	296	120	
87453 RIO CUARTO AERO	3307S	06414W	421		964.0	1012.4	16.0	-0.4	9.0	-2.3	1	2	-90	0			
87467 MARCOS JUAREZ AERO	3242S	06209W	114		1000.9	1014.5	15.9		11.1		5	44		1	256	115	
87480 ROSARIO AERO	3255S	06047W	25		1010.7	1013.6	18.2	-1.3	12.7	-1.1	8	53	-45	2	235	93	
87497 GUALEGUAYCHU AERO	3300S	05837W	21		1010.9	1013.9	16.3	-0.8	11.9	-2.1	6	77	-25	3	190	97	
87506 MALARGUE AERO	3530S	06935W	1425		859.7	1519	Y		12.0		5			2	264		
87509 SAN RAFAEL AERO	3435S	06824W	748		928.8	1013.6	15.6	-0.1	9.6	1.4	1	3	-23	1	261	105	
87532 GENERAL PICO AERO	3542S	06345W	145				16.8		9.4		2	5		0	178	90	
87534 LABOULAYE	3408S	06322W	137		998.4	1014.7	15.9	-0.5	10.0	-2.2	4	22	-57	1	275	113	
87544 PEHUAJO AERO	3552S	06154W	86		1004.5	1014.8	14.4	-0.4	11.7	-0.8	6	83	-10	3	238	100	
87548 JUNIN AERO	3433S	06057W	81		1004.3	1013.9	14.6	-0.9	10.6	-2.3	5	57	-47	2	246	110	
87576 EZEIZA AERO	3449S	05832W	20		1011.9	1014.1	15.2	-0.5	10.6	-2.4	11	93	-1	3	134	80	
87582 AEROPARQUE	3434S	05825W	6		1013.6	1014.3	17.4		11.7		4	133		4	251	115	
87585 BUENOS AIRES (OBS. CENTRAL)	3435S	05829W	25		1011.9	1014.8	16.0	-0.9	11.2	-2.3	11	151	45	4	241	103	
87596 PUNTA INDIOS B.A.	3522S	05717W	22		1012.1	1014.7	15.4	-0.4	12.8	-1.9	10	113	35	4	242	110	
87619 GENERAL ACHA	3722S	06435W	219		987.8	1013.6	17.1	-2.1	9.0		3	17	-33	1	261		
87623 SANTA ROSA AERO	3634S	06416W	191		991.6	1014.1	14.9	-0.4	7.8	-3.8	3	10	-64	0	223	89	
87642 AZUL AERO	3645S	05950W	132		997.9	1013.6	12.5	-0.9	10.6	-1.3	8	76	-3	3	234	96	
87645 TANDIL AERO	3714S	05915W	175		993.2	1014.1	11.6		9.5		8	79		4	225		
87648 DOLORES AERO	3621S	05744W	9		1012.1	1013.2	13.3	-0.9	10.9	-2.5	17	79	-5	3	166	80	
87679 PIGUE AERO	3736S	06223W	304		978.0	1013.9	12.1		8.1		6	30		1	196	80	
87688 TRES ARROYOS	3820S	06015W	115		1000.7	1014.4	13.0	-0.4	9.1	-1.7	6	86	14	4	220	95	
87692 MAR DEL PLATA AERO	3756S	05735W	21		1010.7	1013.2	11.5	-1.4	10.7	-1.5	106	27	5	127	70		
87715 NEUQUEN AERO	3857S	06808W	271		983.2	1015.0	14.4	-0.6	5.6	-1.7	1	2	-24	1	252	95	
87736 RIO COLORADO	3901S	06405W	79		1004.5	1014.0	14.4		8.9		3	28		2	240		
87750 BAHIA BLANCA AERO	3844S	06210W	83		1004.4	1014.4	12.7	-1.6	9.3	-1.7	8	39	-21	2	195	100	
87763 CATEDRAL 2000	4115S	07137W	1955				0.9		4.9		10	97					
87765 BARILOCHE AERO	4109S	07110W	840		920.0	1495	Y	6.7	-0.7	5.7	-1.4	7	59	25	5	263	107
87774 MAQUINCHAO	4115S	06844W	888		912.1	1464	Y	8.2	-1.4	4.4	-1.2	0	0	-14	1		
87784 SAN ANTONIO OESTE AERO	4044S	06457W	7		1010.9	1011.9	13.7	-1.6	7.4	-0.8	3	18	-4	3			
87791 VIEDMA AERO	4051S	06301W	7		1011.4	1012.3	11.7	-2.4	8.0	-1.2	6	35	10	4	211	80	
87803 ESQUEL AERO	4258S	07109W	785				6.7	-1.3	5.4	-0.2	4	32	6	4	251		
87814 PASO DE INDIOS	4349S	06853W	460		956.7	1010.9	9.2	-2.5	5.4	-0.4	4	11	5	5	210		
87828 TRELEW AERO	4312S	06516W	43		1007.7	1012.8	13.0	-0.7	6.1	-0.7	2	6	-8	3	276	103	
87860 COMODORO RIVADAVIA AERO	4547S	06730W	46		1004.1	1009.6	11.9	-0.7	5.9	-0.2	4	12	2	4	145	70	
87896 PUERTO DESEADO AERO	4744S	06555W	80		998.5	1008.1	8.5	-1.4	7.2	0.0	7	20	7	5	153	90	
87903 LAGO ARGENTINO AERO	5020S	07218W	220		976.5	1006.5	6.9	-1.2	4.9	-0.8	7		-6	2	202	95	
87909 SAN JULIAN AERO	4919S	06747W	62		998.9	1006.4	9.1	-0.8	6.4	0.0	7	37	20	5	189		
87912 SANTA CRUZ AERO	5001S	06834W	111				8.0	-1.2	6.7		32	22	5				
87925 RIO GALLEGOS AERO	5137S	06917W	19		1002.3	1004.7	7.5	-0.7	6.2	-0.2	4	57	44	6	166	93	
87934 RIO GRANDE B.A.	5348S	06745W	22		1001.2	1004.0	5.2	-0.7	6.3	-0.6	7	24				162	
ANTARCTICA																	
ARGENTINA (ANTARCTIC)																	
88963 ESPERANZA B.E.	6324S	05659W	13		1001.7	1003.3	-5.6	-1.8			2	7			138		
88968 ISLAS ORCADAS D.N. (OBS.)	6045S	04443W	6		1003.1	1004.7	-4.5	-1.7	4.4	-1.0	11	46	2	3	111	188	
89034 GENERAL BELGRANO II B.E.	7752S	03437W	0		968.9	1002.3	-16.0				2	4					
89053 TENIENTE JUBANY E.C.	6214S	05838W	4		1002.0	1003.5	-3.5		4.4								
89055 CENTRO MET. ANTARTICO "VICEC."	6414S	05643W	198		977.7	1003.1	-9.2	-3.4									
89066 GENERAL SAN MARTIN B.E.	6808S	06708W	4		1006.3	1006.8	-4.4		3.9		1	2					
SOUTH AFRICA (ANTARCTIC)																	
89001 S.A.N.A.E. STATION	7018S	00221W	62	31	989.7	996.9	-23.4	-4.6								130	
UNITED KINGDOM (ANTARCTIC)																	
89062 ROTHERA POINT	6734S	06808W	17		995.8	999.6	-3.9		3.6								
CHILE (ANTARCTIC)																	
89056 CENTRO MET. ANTARTICO "PDTE."	6215S	05856W	10	31	999.6	1000.7	-3.2	-0.6	3.9		3	23	-13				
89057 BASE ARTURO PRAT	6230S	05941W	5	31	1000.8	1001.4					11	77					
89059 BASE BERNARDO O'HIGGINS	6319S	05754W	10	31	1000.5	1001.9					6	14					

ANTARCTICA-AUSTRALIA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAY'S 1 MM	TOTAL	mm	% OF AV.
ANTARCTICA	0°	0°	#		mb	mb	°C	°C	mb	mb				
AUSTRALIA (ANTARCTIC)														
89564 MAWSON	6736S	06253E	-16	990.7	992.4	10.2	1.4							287
89571 DAVIS	6835S	07758E	13	990.3	992.0	-8.9	4.0	1.8			2	4	0	152
89611 CASEY	6616S	11032E	15	988.9	990.8	-8.9	2.0	1.7			0	1	-27	0 163
USA (ANTARCTIC)														
89664 MCMURDO	7751S	16640E	24	987.8	992.1	-18.8	0.8				3	18	8	4
SW PACIFIC														
MALAYSIA (PENIN. MALAYSIA)														
48601 PENANG/BAYAN LEPAS	0518N	10016E	4	1008.8	1009.2	26.9	0.6	29.6	2.3	11	99	-285	0 170	100
48615 KOTA BHARU	0610N	10217E	5	1008.0	1008.6	26.7	0.3	29.0	0.7	14	268	-33	3 173	98
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22	1007.0	1009.5	27.3	1.1	29.2	0.1	11	131	-127	1 181	110
48657 KUANTAN	0337N	10313E	16	1007.4	1009.2	26.6	0.8	29.3	0.0	14	203	-98	1 147	95
48665 MALACCA	0216N	10215E	9	1008.1	1009.2	27.0	0.7	30.2	0.6	10	101	-112	1 184	105
SINGAPORE														
48698 SINGAPORE/CHANGI AIRPORT	0122N	10359E	16	1006.9	1008.7	27.4		30.2		14	135		2 126	80
USA (PACIFIC OCEAN NORTH)														
91165 LIHUE, KAUAI, HAWAII	2159N	15921W	45	1009.9	1015.2	25.1	-0.1	24.5	-0.1	14	48	-65	1 252	121
91182 HONOLULU, OAHU, HAWAII	2121N	15756W	5	1014.6	1015.1	26.7	0.7	22.8	0.5	1	6	-45	1 251	102
91285 HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11	1013.9	1015.2	25.5	1.4	23.0	-0.9	16	216	-38	2 154	109
91334 TRUK, CAROLINE IS.	0728N	15151E	2	1008.7	1009.0	28.1	0.8	29.9	-0.7	24	285	-88	2 118	60
91348 PONAPE, CAROLINE ISLANDS.	0658N	15813E	46	1003.0	1008.2	26.8	0.0	29.5	0.1	28	548	143	5 117	68
91376 MAJURO/MARSHALL IS. INTL	0705N	17123E	3	1009.0	1009.3	26.8	-0.6	29.6	4.3	24	454	65	4 179	90
91408 KOROR, PALAU IS.	0720N	13429E	33	1003.8	1007.6	27.8	0.1	31.0	-0.2	25	509	161	5 114	54
91413 YAP, CAROLINE IS.	0929N	13805E	17	1005.6	1007.5	27.9	0.6	30.8	0.3	26	562	243	6 113	75
SOLOMON ISLANDS														
91520 HONIARA/HENDERSON	0925S	16003E	9	1007.5	1008.5	26.2		27.9		16	203		5 177	90
VANUATU														
91554 PEKO A AIRPORT/ESPIRITU-SANTO	1531S	16713E	56		1010.0	25.2	0.8	25.1		13	282	78	5	205
91557 BAUERFIELD (EFATE)	1742S	16818E	21	1009.8	1012.1	23.7		23.8		10	158			
NEW CALEDONIA														
91577 KOUMAC (NLLE-CALEDONIE)	2034S	16417E	18	1011.0	1013.1	24.2	1.8	22.8	2.9	1	6	-29	2 244	93
91592 NOUMEA (NLLE-CALEDONIE)	2216S	16627E	72	1006.1	1014.5	23.8	1.8	20.8	1.8	0	0	-47	0 278	103
NEW ZEALAND (KIRIBATI)														
91610 TARAWA	0121N	17255E	4	1008.4	1008.8	27.3	-0.9	27.8	0.1	4	18	-97	2 299	115
NEW ZEALAND (TUVALU)														
91643 FUNAFUTI	0831S	17913E	2	1008.7	1008.9	27.5	-0.4	30.2	0.1	19	261	-7	3 188	85
FIJI														
91680 NANDI	1745S	17727E	18	1009.0	1011.1	25.0	0.0	23.7	1.1				245	106
91683 NAUSORI	1803S	17834E	7	1010.5	1011.8	24.1	-0.5	24.7	0.0	20	142	-134	3	
FRENCH POL. (MARQUESAS)														
91925 ATUONA	0948S	13902W	52	1006.8	1012.8	25.0	-0.5	23.4	-0.6	4	21	-60	1 281	115
FRENCH POL. (SOCIETY IS)														
91930 BORA-BORA	1627S	15145W	3	1013.4	1013.7	25.8	-0.1	25.9	0.7	14	177	51	4 250	110
91938 TAHITI-FAAA	1733S	14937W	2	1014.1	1014.4	25.4	0.3	24.4	0.8	6	80	-5	3 238	105
FRENCH POL. (TUAMOTU ISI)														
91943 TAKAROA	1429S	14502W	3	1013.3	1013.6	26.1	-0.4	26.8	0.5	17	137	18	3 241	95
91944 HAO	1804S	14057W	3	1015.3	1015.7	25.4	0.2	23.0	-2.5	8	35	-57	1 292	120
91945 HEREHERETUE	1952S	14500W	3	1015.9	1016.3	24.8	0.6	23.2	-0.6	9	58	-46	2 252	120
91948 RIKITEA	2308S	13458W	89	1008.8	1019.0	22.5	0.1	20.7	-0.4	3	12	-138	0 282	150
FRENCH POL. (AUSTRAL IS)														
91954 TUBUAI	2321S	14929W	3	1017.0	1017.3	23.6	2.1	22.4	2.4	7	44	-67	1 237	125

SW PAC-FRENCH POLY.

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	QUINTILE	TOTAL
SW PACIFIC	0°	0°	#	mb	mb	°C	°C	mb	mb	#	#	#	#
FRENCH POLY.(AUSTRAL IS)													
91958 RAPA	2737S	14420W	2	1019.0	1019.3	20.8	1.8	19.9	2.8	13	96	-74	2 182 125
NEW ZEALAND													
93012 KAITAIA	3508S	17316E	87	1003.4	1013.9	14.3		13.4		11	61	1	231 125
93119 AUCKLAND AIRPORT	3701S	17448E	6	1011.1	1011.9	14.9	0.4	13.1	0.2	14	70	-21	3 212 115
93291 GISBORNE AERODROME	3840S	17759E	8	1006.8	1007.7	16.0	2.7	11.6	0.1	3	15	-49	0 252 126
93308 NEW PLYMOUTH AERODROME	3901S	17411E	36	1006.0	1009.8	13.4	0.7	13.7	1.8	19	161	43	5 177 101
93434 WELLINGTON	4117S	17446E	128	988.6	1004.0	12.7	0.8	11.3	0.6	10	41	-60	1 170 93
93614 HOKITIKA AERODROME	4243S	17059E	40	1004.4	1009.7	10.9	-0.2	11.6	0.9	29	457	210	5 76 48
93780 CHRISTCHURCH AIRPORT	4329S	17233E	34	994.4	998.6	13.9	2.3						214 114
93844 INVERCARGILL AERODROME	4625S	16820E	1	995.0	995.1	10.4	0.7	9.1	0.0	18	137	52	5 158 95
93944 CAMPBELL ISLAND	5233S	16909E	19	985.4	987.7	6.5	0.3	7.9	0.7	23	158	23	5 66 97
93986 CHATHAM ISLAND	4357S	17634W	48	996.7	1002.5	11.3	1.1	11.7	1.4	10	51	-8	3 153 116
93997 RAOUL ISLAND, KERMADEC IS.	2915S	17755W	49	1010.5	1016.3	18.0	0.6	16.9	0.9	9	124	7	4 212 110
AUSTRALIA													
94120 DARWIN AIRPORT	1224S	13052E	30	1005.7	1009.1	29.7	0.7	29.5	3.5	8	162	82	5 298 101
94150 GOVE AIRPORT	1216S	13649E	54	1003.7	1009.8	27.3		26.7		0	0		318
94175 THURSDAY ISLAND	1035S	14213E	61	1002.3	1009.2	28.5	1.5	27.1	1.9	1	12	1	4
94203 BROOME AIRPORT	1757S	12213E	9	1006.5	1007.5	29.5	2.1	21.0	1.7	0	0	-2	3
94212 HALLS CREEK AIRPORT	1813S	12739E	424	961.1	1007.7	32.3	2.8	9.3	-2.5	3	16	1	4
94238 TENNANT CREEK AIRPORT	1938S	13410E	376	968.1	1010.0	31.1	3.4	8.0	-1.6	1	2	-23	1 313 100
94287 CAIRNS AIRPORT	1653S	14545E	7	1011.9	1012.7	26.4	1.6	24.7	3.5	4	35	-5	4 295
94294 TOWNSVILLE AIRPORT	1915S	14645E	6	1012.7	1013.4	26.7	1.8	22.8	4.0	2	7	-20	2 333 110
94299 WILLIS ISLAND	1618S	14959E	9	1010.1	1011.1	27.1	1.0	27.6	3.8	5	52	28	5
94300 CARNARVON AIRPORT	2452S	11340E	7	1013.5	1014.3	21.9	1.0	12.3	-0.8	0	T	-6	1
94302 LEARMONT AIRPORT	2214S	11405E	6	1011.6	1012.2	26.1	2.6	13.3	1.1	1	2	-2	4
94312 PORT HEDLAND AIRPORT	2022S	11837E	11	1008.5	1009.2	28.9	2.8	11.4	-1.0	0	0	-1	3
94326 ALICE SPRINGS AIRPORT	2348S	13354E	544	950.9	1012.2	25.5	2.7	5.8	-3.1	1	3	-19	2 329 102
94332 MT ISA AIRPORT	2039S	13929E	342	972.0	1010.2	29.7	4.1	8.1	-2.5	0	0	-18	2 347 105
94346 LONGREACH AIRPORT	2326S	14416E	193	989.9	1011.9	28.9	3.8	11.3	0.2	0	T	-22	1
94367 MACKAY	2107S	14913E	31	1010.3	1013.9	24.5	1.3	24.3	4.2	1	6	-36	2
94380 GLADSTONE	2351S	15116E	76	1005.8	1014.6	25.3	2.0	21.5	3.2	2	10	-62	1
94403 GERALDTON AIRPORT	2847S	11442E	34	1011.9	1015.9	17.8	0.0	13.0	1.0	3	16	-4	3
94430 MEEKATHARRA AIRPORT	2636S	11831E	518	954.6	1013.1	24.1	2.3	6.8	-1.5	0	T	-5	2
94461 GILES	2502S	12818E	599	944.8	1011.4	27.3	3.5	6.1	-1.8	3	6	-9	4 332 101
94510 CHARLEVILLE AIRPORT	2622S	14616E	304	978.7	1013.3	25.7	3.8	0.8	-10.1	1	7	-32	1
94527 MOREE	2928S	14951E	212	988.6	1013.1	22.4	2.8	11.4	-1.2	2	11	-39	1 338
94578 BRISBANE AIRPORT	2726S	15305E	6	1013.6	1014.2	22.6	1.9	17.1	1.8	3	12	-87	1 301 115
94610 PERTH AIRPORT	3156S	11557E	12	1012.4	1015.9	17.3	0.9	13.6	1.9	9	52	-1	4 246 90
94637 KALGOORLIE AIRPORT	3046S	12127E	360	972.2	1013.7	20.7	2.6	8.1	-1.3	1	1	-12	1
94638 ESPERANCE	3349S	12153E	26	1011.1	1014.2	17.1	1.6	11.2	-0.5	5	24	-27	1
94646 FORREST AIRPORT	3050S	12806E	160	995.2	1014.0	20.2	2.9	7.9	-1.7	1	2	-16	2
94653 CEDUNA AIRPORT	3207S	13342E	17	1012.7	1014.7	18.1	1.4			2	5	-20	2 301 109
94659 WOOMERA AERODROME	3109S	13648E	167	994.7	1014.2	21.2	2.2	6.9	-2.7	1	2	-14	2 325 109
94672 ADELAIDE AIRPORT	3456S	13831E	4	1013.0	1013.5	17.1	1.4	9.6	-1.4	5	10	-32	1 283 125
94693 MILDURA AIRPORT	3414S	14205E	53	1006.5	1012.7	18.3	1.4	9.5	-1.3	1	6	-28	1
94711 COBAR	3129S	14549E	265	983.0	1013.7	21.2	2.1	7.6	-2.8	3	19	-16	2 337
94767 SYDNEY AIRPORT	3375S	15111E	3	1010.5	1011.0	20.9	3.0	10.7	-1.9	0	0	-89	0 297 130
94776 WILLIAMTOWN AERODROME	3247S	15149E	11	1011.1	1012.0	19.6	2.0	13.6	-0.2	1	4	-74	1 301 133
94791 COFFS HARBOUR AIRPORT	3019S	15307E	5	1012.3	1013.0	21.6	3.1	13.8	-0.6	1	8	-89	0 274 115
94802 ALBANY AIRPORT	3457S	11748E	69	1004.3	1012.5	14.8	0.9	12.6	0.6	9	48	-40	1
94821 MT GAMBIER AIRPORT	3744S	14047E	69	1001.9	1010.1	13.3	1.0	10.4	-0.6	13	54	-5	3 210 100
94865 LAVERTON AERODROME	3751S	14444E	14	1006.9	1009.4	14.7	0.7	9.4	-1.7	7	21	-44	1 232 130
94907 EAST SALE AERODROME	3806S	14708E	8	1007.7	1008.7	14.2	0.7	10.6	-1.3	9	36	-26	1 263 130
94910 WAGGA AIRPORT	3509S	14727E	213	987.3	1012.2	14.5	0.0	9.9	-1.7	5	15	-51	1 288
94926 CANBERRA AIRPORT	3518S	14911E	577	944.1	1010.6	13.4	0.9	8.5	-1.4	3	29	-47	1 310 126
94975 HOBART AIRPORT	4250S	14730E	3	998.9	999.3	12.4	0.3	9.1	-0.4	13	74	21	4 222 105
AUSTRALIA ADDITIONAL IS.													
94995 LORD HOWE ISLAND	3131S	15905E	46	1009.1	1014.5	19.9	2.0	18.1	3.0	4	56	-60	1
94996 NORFOLK ISLAND AIRPORT	2902S	16756E	109	1004.1	1016.9	19.6	2.2	17.1	2.1	5	23	-66	1 283 125
INDONESIA (SUMATRA)													
96001 SABANG/CUT BAU	0552N	09519E	126	996.8	1011.2	26.7		27.1					167

SW PAC-INDONESIA

SURFACE

OCTOBER 1988

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAY 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL
SW PACIFIC	0°	0°	0	mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
INDONESIA (SUMATRA)															
96035 MEDAN/POLONIA	0334N	09841E	25	1005.7	1008.9	26.9	0.9	2.9		185	-109	1	69	70	
96073 SIBOLGA/PINANGSORI	0133N	09853E	3	1009.0	1009.7	25.3	-1.5	27.7		416	-61	2	46	45	
96109 PAKANBARU/SIMPANGTIGA	0028N	10127E	31	1005.2	1009.1	26.9	0.3	27.7		181	-58	2			
96171 RENGAT/JAPURA	0028N	10219E	46	1006.2	1008.7	28.4	-1.5	29.8		59	-154	0	143	145	
MALAYSIA(SABAH & SARAWAK)															
96413 KUCHING	0129N	11020E	27	1007.1	1009.6	25.8	-0.1	28.9	-0.7	352	11	3	180	125	
96441 BINTULU	0312N	11302E	5	1008.6	1009.1	26.7	0.7	30.1		174	-207	0	184	110	
96471 KOTA KINABALU	0556N	11603E	3 31	1008.1	1008.4	27.1	0.7	29.5	0.9	497	150	5		75	
96481 TAWAU	0416N	11753E	20	1006.1	1008.4	26.8		30.3		262	5	125		60	
INDONESIA (KALIMANTAN)															
96509 TARAKAN/JUWATA	0320N	11734E	6	1007.7	1008.7	26.8	-0.4	29.4							
96685 BANJARMASIN/SYAMSUDDIN NOOR	0326S	11445E	20	1006.6	1009.2	26.5	-0.5	34.6							
INDONESIA (JAWA)															
96933 SURABAYA/PERAK	0713S	11243E	3	1008.8	1009.5	28.7	0.0	26.4		74	38	5	176	85	
ISLANDS															
96996 COCOS ISLAND AIRPORT	1211S	09649E	3	1012.0	1012.3	26.5	0.3	26.7	2.3	137	58	5			
INDONESIA (NUSATENGGARA)															
97230 DENPASAR/NGURAH-RAI	0845S	11510E	1	1009.6	1010.3	28.0	0.7	29.9							
97260 SUMBAWA BESAR/SUMBAWA BESAR	0826S	11725E	3	1008.1	1008.8	28.2		27.9		18					
97340 WAINGAPOU/MAU HAU	0940S	12020E	12	1008.4	1009.9	28.4	0.3	27.4		0	-13	1	222		
INDONESIA(MALUKU/IRIAN JAYA)															
97724 AMBON/PATTIMURA	0342S	12805E	12	1007.5	1009.0	26.3	-0.3	29.4							
PHILIPPINES															
98135 BASCO	2027N	12158E	11	1007.5	1008.7	27.5	1.1	31.7	2.8	25	276	-42	3		
98223 LAOAG	1811N	12032E	5	1006.1	1006.7	27.9	0.6	31.7	8.8	6	62	-20	3		
98232 APARRI	1822N	12138E	4	1016.0	1016.3	27.4	0.4	31.7	2.2	20	376	44	3		
98233 TUGUEGARAO	1737N	12144E	24 30	967.8	974.8	27.5	0.1	31.7	8.8	17	330	73	4		
98325 DAGUPAN	1603N	12020E	2 30	1004.7	1004.9	28.3	0.2	31.7	2.1	20	232	78	4		
98328 BAGUIO	1625N	12036E	1501	847.8	1004.1	20.0		31.7		12	451	5	222		
98429 MANILA INTL AIRPORT	1431N	12100E	15	994.1	997.9	28.3	1.1	33.6	5.3	24	617	434	6		
98444 LEGASPI	1308N	12344E	17 30	1003.7	1005.6	26.7	-0.4	29.8	-0.4	25	694	366	5		
98550 TACLOBAN	1115N	12500E	21	1005.7	1006.0	27.6	-0.1	29.8	-0.2	16	466	300	5		
98637 ILOILO	1042N	12234E	8	1005.0	1005.9	27.3	0.0	31.7	0.9	25	562	316	5		
98644 TAGBILARAN	0936N	12351E	6	1005.6	1006.3	27.8		31.7		15	127	2			
98646 MACTAN	1018N	12358E	9	1006.3	1007.7	27.4		29.8		20	374				
98653 SURIGAO	0948N	12530E	30	1000.4	1000.4	27.5	0.3	31.7	1.2	17	298	35	4		
98836 ZAMBOANGA	0654N	12204E	6	1005.3	1005.9	27.4	0.3	29.8	0.1	19	364	179	5		
SHIP SITE															
OCEAN WEATHER STATIONS															
99090 MIKE	6600N	00200E	0		1010.8		7.0		8.1						

BRAZIL
S AMER-BOLIVIA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE		
	0°	0°	3	mb	mb	°C	°C	mb	mb	mb	mm	mm	mm	hr	%	
AUG 1988																
S AMERICA																
BRAZIL																
82668 SAO FELIX DO XINGU	0638S	05150W	150	990.7	1012.2	26.0	0.3	27.4		0	0	-48	0			
SEP 1988																
EUROPE																
BELGIUM																
06447 UCCLE	5048N	00421E	104	1005.5	1017.5	14.0	-0.5	13.8	0.3	16	80	15	4			
LUXEMBOURG																
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379	30	973.7	1018.4	12.7	-1.2	11.7	-1.1	11	114	53	5		
AFRICA																
CAPE VERDE																
08594 SAL	1644N	02257W	55	1006.5	1012.8	26.7	0.2	27.4	0.7	3	205	3	160	80		
EUROPE																
GERMANY, FEDERAL REPUBLIC OF																
10035 SCHLESWIG	5432N	00933E	48	1008.5	1014.3	13.2	0.2	12.8	0.4	13	119	32	4	132		
10147 HAMBURG-FUHLSBUETTEL	5338N	01000E	16	1013.2	1015.2	13.9	0.5	12.6	0.2	15	55	-13	2	125		
10203 EMDEN-HAFEN	5321N	00712E	12	1014.0	1015.5	13.9	0.0	13.3	0.4	14	73	7	4	123		
10338 HANNOVER	5228N	00942E	54	1010.1	1016.6	13.7	0.2	12.6	-0.1	11	48	0	4	119		
10384 BERLIN-TEMPELHOF	5228N	01324E	49	1010.4	1016.4	14.6	0.1	12.3	0.3	3	27	-23	1	123		
10410 ESSEN	5124N	00656E	161	998.4	1017.7	13.7	-0.7	13.0	0.3	16	104	32	5	96		
10438 KASSEL	5118N	00927E	233	989.1	1017.7	13.4	-0.6	11.8	-0.4	10	55	4	3	117		
10628 GEISENHEIM	4959N	00757E	120	1003.8	1018.2	14.3	-0.3	12.6	0.1	8	41	2	4	118		
10739 STUTTGART/SCHNARRENBERG	4850N	00912E	311	982.5	1019.2	14.4	-0.1	12.5	0.0	12	78	26	5	132		
10763 NUERNBERG	4930N	01105E	312	982.2	1019.1	14.0	0.3	11.8	-0.1	10	64	16	4	136		
10866 MUENCHEN-RIEM	4808N	01142E	529	957.3	1019.0	13.7	0.2	12.2	0.3	9	63	-10	3	130		
10929 KONSTANZ	4741N	00911E	447	967.1	1019.3	14.4		12.9		8	74	3	147	85		
10961 ZUGSPITZE	4725N	01059E	2962	712.5	3103	Z	0.0	-0.4	5.2	0.2	12	115	6	3	176	
YUGOSLAVIA																
13354 SARAJEVO	4352N	01826E	637	30	945.2	1018.5	14.8	-0.3	11.1	-0.9	15	109	33	4	180	
JORDAN																
40250 H-4 'IRWAISHED'	3230N	03812E	688	30	933.2	1007.8	26.1	0.5	11.7	1.1	0	0	0	0	98	
40270 AMMAN AIRPORT	3159N	03559E	768	30	923.6	1009.2	24.4	1.2	12.5	-1.5	0	0	0	0	97	
40310 MA'AN	3010N	03547E	1070	30	886.5	1482	Y	24.3	0.7	14.1	3.8	0	0	0	0	101
ASIA																
UNITED ARAB EMIRATES																
41217 ABU DHABI INTL AIRPORT	2426N	05439E	27	30	1000.5	1003.3	32.6		28.9		0	0				
PAKISTAN																
41756 JIWANI	2504N	06148E	57	30	997.4	1003.7			31.1	4.2	0	0	0	5		
BANGLADESH																
41883 BOGRA	2451N	08922E	20		1002.7	1004.8	29.6		32.9		13	292		166		
41891 SYLHET	2454N	09153E	35		1002.4	1006.5	27.2		30.3		20	761		50		
41923 DHAKA	2346N	09023E	9		1004.0	1005.1	29.9		34.0		16	196		184		
41936 JESSORE	2311N	08910E	7		1004.2	1004.9	29.6		34.0		9	117		17		
41978 CHITTAGONG (PATENGA)	2216N	09149E	6		1005.0	1005.9	28.6		31.7							

ASIA-BANGLADESH

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	MM TOTAL	MM DEPARTURE	MM QUINTILE
SEP 1988	0°	0°	3	mb	mb	°C	°C	mb	mb	mm	mm	183	%	%
ASIA														
BANGLADESH														
41992 COX'S BAZAR	2126N	09158E	4	1005.6	1006.0	28.6		32.5		26	515			
INDIA														
42027 SRINAGAR	3405N	07450E	1507	30	838.6	1468	Y	20.0	-0.3	14.8	0.2	4	81	49 5
42147 MUKTESWAR KUMAON	2928N	07939E	2311	30	771.9	3137	Z	16.3	-0.1	16.2	0.8	13	139	-61 2
42165 BIKANER	2800N	07318E	224	30	977.7	1002.3		32.2	1.4	24.1	1.3	4	43	-5 4
42261 AGRA	2710N	07802E	169	30	983.3	1001.9				29.1	2.3	7	42	-112 2
42295 DARJEELING	2703N	08816E	2128	30	788.4	1474	Y	18.1	1.5	19.3	1.4	10	176	-243 0
42314 DIBRUGARH/MOHANBARI	2729N	09501E	111	30	993.4	1005.9		27.1	-0.3	30.3	-0.2	20	369	73 4
42452 KOTA AERODROME	2509N	07551E	274	30	972.5	1002.9		30.6	1.5	26.3	2.7	7	149	63
42475 ALLAHABAD/BAMHRAULI	2527N	08144E	98	30	992.1	1003.1		29.8	0.8	31.9	1.3	6	88	-107 1
42671 SAGAR	2351N	07845E	551	30	942.1	1002.9		27.5	1.6	27.0	2.3	10	81	-147 1
42754 INDORE	2243N	07548E	567	30	941.4	1003.3		27.1	1.7	29.7	6.2	13	179	-33 3
42867 NAGPUR SONEGAON	2106N	07903E	310	30	969.3	1003.6		28.3	1.0	30.3	3.7	17	256	62 4
42971 BHUBANESWAR	2015N	08550E	46	30	999.1	1004.2		28.0	-0.2	33.2	1.3	13	346	59
43041 JAGDALPUR	1905N	08020E	553	30	943.9	1004.5		26.0	0.1	28.3	2.2	19	163	-79 2
43063 POONA	1832N	07351E	559	30	942.5	1004.7		25.6	0.6	26.1	2.5	18	431	304 6
43128 HYDERABAD AIRPORT	1727N	07828E	545	30	944.5	1004.1		26.5	0.6	26.3	2.5	11	199	16 4
43149 VISHAKHAPATNAM	1743N	08314E	3	30	1003.6	1004.0		29.1	0.0	32.6	1.6	18	405	238 6
43185 MACHILIPATNAM (FRANCHPET)	1612N	08109E	3	30	1003.8	1004.1		28.5	-0.2	32.2	1.5	14	303	127 5
43192 GOA/PANJIM	1529N	07349E	60	30	999.2	1006.0		26.8	0.2	31.0	1.6	25	367	120 5
43198 BELGAUM/SAMBRA	1551N	07437E	747	30	923.9	1005.7		23.8	0.6	24.9	2.0	14	255	160
43279 MADRAS/MINAMBAKKAM	1300N	08011E	16	30	1003.3	1004.9		29.1	-0.5	29.3	0.9	11	165	46 4
43295 BANGALORE	1258N	07735E	921	30	906.1	1476	Y	23.5	-0.1	22.7	1.3	12	425	282 6
43363 PAMBAN	0916N	07918E	11	30	1004.9	1006.2		29.5	0.7	30.7	-0.9	5	118	102 6
JAPAN														
47407 ASAHIKAWA	4346N	14222E	116	30	1001.3	1015.0		15.7	0.5	14.2	0.7	7	75	-59 1
47409 ABASHIRI	4401N	14417E	43	30	1010.6	1015.7		15.6	-0.1	14.7	0.8	7	40	-58 1
47426 URAKAWA	4210N	14247E	33	30	1010.9	1014.8		17.1	0.2	16.3	0.7	8	67	-68 1
47604 NIIGATA	3755N	13903E	6	30	1011.2	1011.9		22.5	1.1	19.5	0.1	12	145	-9 3
47605 KANAZAWA	3633N	13639E	28	30	1008.4	1011.6		22.5	0.5	21.7	1.0	13	304	54 4
47624 MAEBASHI	3624N	13904E	113	30	999.1	1012.2		21.5	0.2	21.8	2.1	22	421	244 5
47636 NAGOYA	3510N	13658E	56	30	1004.5	1010.8		24.2	1.4	22.0	0.7	11	307	98 5
47648 CHOSHI	3543N	14051E	28	30	1008.4	1011.6		22.9	0.1	24.0	1.6	15	373	181 5
47655 OMAEZAKI	3436N	13813E	47	30	1005.3	1001.1		24.2	0.6	24.2	0.8	14	276	66 4
47765 HIROSHIMA	3422N	13226E	30	30	1005.1	1011.2		24.2	1.4	21.4	0.2	10	176	-12 3
47772 OSAKA	3441N	13531E	50	30	1005.3	1011.0		24.8	0.8	22.0	1.2	14	175	12 4
47800 IZUHARA	3412N	12918E	22	30	1009.4	1012.0		23.1	0.6	22.4	0.9	6	246	-4 3
47815 OITA	3314N	13137E	13	30	1009.4	1010.9		23.3	0.3	23.3	0.8	9	181	-68 3
47817 NAGASAKI	3244N	12952E	35	30	1006.6	1010.6		24.2	0.0	23.6	1.0	7	194	-23 3
47830 MIYAZAKI	3155N	13125E	7	30	1009.6	1010.4		24.2	0.2	24.6	-0.3	12	225	-78 2
47893 KOCHI	3333N	13332E	18	30	1008.4	1010.4		24.6	0.6	22.8	-0.1	13	223	-162 2
47927 MIYAKOJIMA	2447N	12517E	41	30	1004.4	1009.1		27.4	0.4	29.9	1.2	19	231	11 3
THAILAND														
48327 CHIANG MAI	1847N	09859E	314	30	972.8	1007.7		27.8	0.9	29.3	0.0	15	169	-120 1
SW PACIFIC														
MALAYSIA (PENIN. MALAYSIA)														
48601 PENANG/BAYAN LEPAS	0518N	10016E	4	30	1008.5	1008.9		26.7	0.2	30.0	2.9	19	190	-131 1
48615 KOTA BHARU	0610N	10217E	5	30	1007.7	1008.3		26.8	0.1	29.8	1.7	17	152	-40 2
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22	30	1006.8	1009.3		26.7	0.4	29.4	0.5	20	497	324 6
48657 KUANTAN	0337N	10313E	16	30	1007.4	1009.2		26.4	0.3	29.2	0.1	11	218	13 3
48665 MALACCA	0216N	10215E	9	30	1008.2	1009.2		26.6	0.3	30.2	0.7	12	367	174 6
AFRICA														
NIGER														
61017 BILMA	1841N	01255E	357		968.8	1007.8		32.2	0.9	15.5	5.0	0	7	-1 4
61024 AGADEZ	1658N	00759E	502		952.9	1007.3		32.5	1.2	15.1	1.7	0	2	-9 2
61036 TILLABERY	1412N	00127E	210			1009.8		29.3	-0.1	29.1	2.8	8	66	-3 3
AFRICA-NIGER														

AFRICA-NIGER

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN mb	STATION mb	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 mm	TOTAL mm	DEPARTURE mm	QUINTILE	TOTAL hr
SEP 1988	0°	0°	0													
AFRICA																
NIGER																
61043 TAHOUA	1454N	00515E	391	965.6	1008.7	29.1	0.0	24.5	1.2	8	67	5	3	213	80	
61045 GOURE	1359N	01018E	460	959.7	1008.0	29.6	-0.6	21.3	-0.5	5	20	1	1	248		
61049 N'GUIGMI	1415N	01307E	286	976.1	1007.7	30.5	-0.6	23.8	0.9	3	35	15	4	253	95	
61052 NIAMEY-AERO	1329N	00210E	227	984.2	1009.5	28.2	0.1	28.1	3.4	11	98	4	4	253	105	
61075 BIRNI-N'KONNI	1348N	00515E	273	978.7	1009.0	28.1	-0.1	28.0	2.1	7	76	-23	3	252	95	
61080 MARADI	1328N	00705E	373	967.7	1009.0	27.5	0.2	27.1	1.6	10	118	30	4	251	95	
61085 DIFFA	1325N	01247E	305			28.8		26.4		4	17	2	2	2		
61090 ZINDER	1347N	00859E	453	958.9	1008.7	28.7	0.2	23.3	1.5	8	57	-8	3	281	110	
61091 MAGARIA	1259N	00856E	403	965.3	1010.0	27.6		25.4		5	60	2	2	262		
61096 MAINE-SOROA	1314N	01159E	337	971.0	1008.3	28.6	0.2	24.7	1.5	2	23	-40	1	224	85	
61099 GAYA	1153N	00327E	203	986.8	1009.6	27.2	0.3	28.5	0.6	10	128	-12	3	213	90	
MALI																
61214 KIDAL	1826N	00121E	459			34.0	1.8							206	75	
61223 TOMBOUCTOU	1643N	00300W	264	979.7	1008.6	31.8	0.9	22.4	0.2	9	59	28	5	237	85	
61226 GAO	1616N	00003W	260	980.2	1008.7	31.8	0.4	22.4	1.0	9	59	26	5	209	77	
61230 NIORO DU SAHEL	1514N	00921W	237	982.1	1009.7	18.3	-10.0	26.7	1.3	10	76	-38	2	220		
61257 KAYES	1426N	01126W	47	1006.2	1011.5	27.5	-0.3	30.2	2.5	12	216	63	5	232	111	
61265 MOPTI	1431N	00406W	272	980.1	1010.3	28.6	0.9	26.8	0.6	8	62	-35	2	242	96	
61270 KITA	1304N	00928W	334	973.7	1011.1	25.7	-0.1	27.0	0.1	13	160	-71	2	220	120	
61272 SEGOU	1324N	00609W	289	978.3	1010.5	26.6	0.1	27.9	0.5	12	172	41	4	230	93	
61277 SAN	1320N	00450W	284	978.9	1010.4	27.2	0.2	28.0	0.6	10	86	2	2	218		
61285 KENIEBA	1251N	01114W	132			26.9	0.4	28.8	0.4	14	230	-67	2	192	105	
61291 BAMAKO/SENOU	1232N	00757W	381	968.4	1010.9			26.9	0.7	14	197	-21	3	208		
61297 SIKASSO	1121N	00541W	375			25.2	-0.7	26.1	-0.1	11	108	1	177	90		
MAURITANIA																
61404 ZOUERATE	2245N	01229W	343	979.9	1010.8	31.2		22.4		0	T			235		
61499 AIOUN EL ATROUSS	1642N	00936W	223	984.5	1009.2	31.1	1.3	21.8	3.9	6	28	-46	2	117		
SENEGAL																
61600 SAINT-Louis	1603N	01627W	4	1011.0	1011.5	28.3	0.3	33.4	3.2	9	136	39	4	225		
61612 PODOR	1639N	01458W	7	1010.9	1011.7	29.6	-0.5	29.0	2.8	12	176	5	220			
61627 LINGUERE	1523N	01507W	21	1008.9	1011.2	28.1	-0.2	30.7	2.4	12	149	19	4	244		
61630 MATAM	1539N	01315W	17	1008.9	1010.8	29.2	0.0	29.4	1.7	10	162	54	5	241		
61641 DAKAR/YOFF	1444N	01730W	24	1008.5	1011.7	27.1	-0.3	31.0	0.5	13	205	48	4	208		
61666 DIOURBEL	1439N	01614W	9	1010.8	1011.3	28.3	0.3	31.6	2.4	13	191	-2	3	258		
61679 KAOLACK	1408N	01604W	7	1011.6	1012.4	28.2	0.2	30.6	0.6	14	306	120	5	255		
61687 TAMBAKOUDA	1346N	01341W	50	1005.8	1011.5	27.1	0.3	29.7	1.6	8	127	101		252		
61695 ZIGUINCHOR	1233N	01616W	23	1009.3	1011.9	26.7	0.3	32.3	3.0	22	473	135	5	191		
61698 KOLDA	1253N	01458W	10			27.0	0.2	30.2	0.6	14	170			184		
61699 KEDOUGOU	1234N	01213W	167	991.6	1010.3	26.7	0.4	28.2	-0.1	10	271	-34	2	208		
GAMBIA																
61701 BANJUL/YUNDUM	1321N	01648W	36	1008.1	1011.8	27.1	0.6	30.1	1.1	18	214	-95	2	196		
SIERRA LEONE																
61856 LUNGI	0837N	01312W	27	30	1006.5	1009.6	25.4	-0.2	28.8	0.3	22	732	190	5	100	
61866 BONTHE	0732N	01230W	8	30	1011.5	1012.4	25.5	-0.3	29.5	0.2	23	337	-246		90	
61878 NJALA	0806N	01206W	56	30	1002.6	1008.9	25.9	0.4	28.9	0.6	20	417	-23		62	
61881 BO	0757N	01146W	93	30	1000.8	1011.7	25.7	0.0	28.0	-0.1	21	418	9	3	104	
61886 KABALA	0935N	01133W	464	30	961.4	1013.1	24.6	0.1	25.8	0.2	20	371	-10	3	152	
61891 DARU	0759N	01051W	186	30	989.8	1011.1	26.4	0.7	28.1	0.6	19	283	-138	1	63	
EGYPT																
62306 MERSA MATRUH	3120N	02713E	30	1010.7	1014.0	24.9	0.6	20.6	-1.0	0	T	-2	4	309	85	
62366 CAIRO	3008N	03124E	74	1003.3	1011.9	27.1	0.7	21.0	2.2	0	T	0	5			
62414 ASSWAN	2358N	03247E	194	985.2	1006.6	32.2	0.6	13.7	4.7	0	0	0	0	0		
62432 DAKHLA	2529N	02900E	111	999.5	1012.2	29.7	1.6	11.7	0.6	0	0	0	0	5		
SUDAN																
62941 JUBA	0452N	03136E	457	30	957.6	1008.5	25.6	0.5	25.7	0.8	13	247	138	4		

AFRICA-ETHIOPIA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS I	MM	TOTAL	DEPARTURE	QUINTILE	
SEP 1988	0°	0°	3	mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	mm	hr	%
AFRICA																
ETHIOPIA																
63021 ASMARA	1517N	03855E	2325	30	771.8		15.2	-2.0	11.4	0.4	3	13	-11	3	73	
63331 GONDAR	1232N	03726E	1966	28	804.6		18.5	-0.4	15.2	-0.5	14	88	-38	2		
63402 JIMMA	0740N	03650E	1577	30	832.8		19.5	0.8	17.4	0.8	19	288	118	6	98	
63471 DIRE DAWA	0936N	04152E	1146	30	883.6		26.0	-0.4	18.0	1.1	14	95	41	5	97	
KENYA																
63619 MOYALE	0332N	03903E	1097	30			21.5	0.4	16.3	0.2	6	85	65	5		
BENIN																
65306 KANDI	1108N	00256E	292	30	977.9	1010.6	26.1	0.4	27.8	0.3	11	109	-120	0		
65319 NATITINGOU	1019N	00123E	461	30	960.1	1011.4	24.3	-0.3	26.2	0.5	18	313	17	3		
65330 PARAKOU	0921N	00237E	393	30	967.5	1011.3	24.6	0.2	25.8	0.2	14	265	42	4		
65335 SAVE	0759N	00226E	200	30	988.9	1011.5	25.1	-0.1	26.1	-0.5	14	190	27	4		
65338 BOHICON	0710N	00204E	167	30	992.8	1011.7	25.3	-0.3	28.3	1.9	9	145	0	4		
65344 COTONOU	0621N	00223E	9	30	1010.9	1011.9	26.2	0.4	28.8	0.5	12	165	77	5		
TOGO																
65351 DAPAON	1052N	00015E	330		973.3	1010.6	26.4		27.4		13	281		155		
65352 MANGO	1022N	00028E	146		994.2	1010.7	26.3	0.4			11	188	-61	2	160	
65361 SOKODE	0859N	00109E	387				24.1	-0.5	27.0	1.3	18	254	-27	3	120	
65376 ATAKPAME	0735N	00107E	402		966.4	1012.0	23.8	-0.3	25.9	0.6	17	378	176	5	123	
65380 TABLIGBO	0635N	00130E	44		1007.1	1012.3	25.6	0.1	27.4	0.4	12	161	54	4	126	
65387 LOOME	0610N	00115E	25		1009.3	1012.1	25.7	0.2	29.4	2.2	11	131	5	152	95	
BURKINA FASO																
65501 DORI	1402N	00002W	277		979.0	1009.8	28.9	0.2	27.2	1.2	7	47	-44	1		
65502 OUAHIGOUYA	1334N	00225W	336		972.4	1009.8	27.1	-0.5	26.8	0.6	8	154	32	4	249	
65503 OUAGADOUGOU	1221N	00131W	306		976.4	1010.5	27.1	0.4	26.9	0.2			207		95	
65507 FADA N'GOURMA	1202N	00022E	309		975.8	1010.5	25.8	-0.3	26.2	-1.0	13	143	-46	2	198	
65510 BOBO-DIOULASSO	1110N	00419W	460		959.8	1011.0	24.9	-0.3	26.4	1.0	14	257	50	4	174	
65516 BOROMO	1145N	00256W	271		980.0	1011.0	26.5	0.3	27.9	1.0	14	85	1	278		
65522 GAOUA	1020N	00311W	335		973.6	1011.0	27.8	2.2	27.4	0.9	14	189	-14	3	194	
COTE D'IVOIRE																
65560 DALOA	0652N	00628W	277		1011.2	1012.2	25.2		28.4		19	511	251	6	78	
LIBERIA																
65660 ROBERTS FIELD	0615N	01021W	18	30	1011.2	1012.2	25.2	-0.4	28.4	0.3	19	511	-159	1		
MADAGASCAR																
67009 DIEGO-SUAREZ	1221S	04918E	105	30	1002.8	1014.9	24.4	-0.4	18.4	-0.7	0	1	-9	1	286	
MOZAMBIQUE																
67323 INHAMBARNE	2352S	03523E	15	30	1017.3	1018.9	22.7	0.6	20.5	0.5	1	3	-26	2	114	
67341 MAPUTO/MAVALANE	2555S	03234E	44	30	1013.6	1018.8	22.1	1.0	18.2	-0.4	3	13	-33	2	98	
MALAWI																
67586 KAMUZU INTL.	1347S	03346E	1229	30	881.1	1542	Y	19.5		7.5		0	0			
N AMERICA																
ST. PIERRE AND MIQUELON																
71805 SAINT-PIERRE	4646N	05610W	5	30	1012.8	1013.4	12.8	0.0	13.1	0.6	12	73	-35	2	107	
DOMINICAN REPUBLIC																
78457 PUERTO PLATA	1945N	07033W	15		1012.8	1014.2	26.7	-0.6	27.5	-1.6	12	125	40	5		
COLOMBIA																
80001 SAN ANDRES (ISLA)	1235N	08143W	6	30	1010.4	1011.5	27.5	-0.2	31.3	0.4	23	289	53	4	289	
80002 PROVIDENCIA (ISLA)	1322N	08121W	6	30			27.7		30.9		17	179			148	

S AMER-COLOMBIA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	% OF AV.
SEP 1988	0°	0°	3	mb	mb	mb	°C	°C	mb	mb	mm	mm	x
S AMERICA													
COLOMBIA													
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14	30	1008.2	1008.7	27.2		29.3		16	89	
80022 CARTAGENA/CRESPO	1027N	07531W	12	30	1010.2	1010.4	27.9		30.7		12	206	169
80028 BARRANQUILLA/ERNESTOCORTISSO	1054N	07446W	30	30			27.1	-0.5	30.7	0.5	13	132	-12 3 168
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134	30			26.6	-1.1	29.1	1.0	20	459	189 5 156
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189	30			20.7		21.2		12	125	121
80097 CUCUTA/CAMILO DAZA	0756N	07231W	317	30	972.6	1006.1	27.1	-1.1	24.6	1.2	13	199	127 181
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128	30			26.3		28.3		14	245	168
80112 RIONEGRO/J.M.CORDOVA	0611N	07526W	2142	30			16.4		14.0		25	238	
80139 PUERTO CARRENO	0610N	06730W	55	30			26.6		28.4		12	166	133
80144 QUIBDO/EL CARANO	0543N	07637W	33	30			26.2		28.5		27	712	98
80210 PEREIRA/MATECANA	0449N	07548W	1342	30			20.5		18.9		20	266	150
80214 IBAGUE/PERALES	0426N	07509W	928	30			23.1		21.7		11	221	182
80222 BOGOTA/ELDORADO	0442N	07408W	2548	30	753.8		13.2	0.3	12.2	0.6	17	119	60 116
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431	30			25.4		24.9		20	247	150
80251 BUENAVENTURA/COLPUERTOS	0355N	07705W	10	30			25.6		28.2		28	1002	108
80259 CALI/PALMASECA	0333N	07623W	969	30	906.4		22.9	-1.0	20.5	0.6	10	47	-17 2 150
80315 NEIVA/LA MANGUITA	0258N	07518W	443	30			28.4	-0.5	21.9	-0.5	7	115	58 157
80370 IPIALES/SAN LUIS	0049N	07738W	2961	30			10.3	-0.2	10.2		14	65	9 4 146
80398 LETICIA/VASQUEZ COBO	0410S	06957W	84	30	1001.2	1010.7	26.2	0.3	29.8	2.3	10	161	-77 2 152
GUYANA													
81001 GEORGETOWN	0648N	05809W	2		1011.0	1011.4	27.7	-0.2	30.2	0.9	14	159	39 4 222 93
81002 TIMEHRI	0630N	05815W	30		1008.4	1011.9	26.2	0.2	28.2	0.0	14	307	151 5 195
BRAZIL													
82246 BELTERRA	0238S	05457W	176		991.5	1011.5	25.2		29.4		7	32	
82599 NATAL	0555S	03515W	49	30	1009.6	1014.8	26.3	1.7	24.3	0.3	11	73	10 4
82668 SAO FELIX DO XINGU	0638S	05158W	150		989.7	1011.0	26.9		28.3		6	39	
82765 CAROLINA	0720S	04728W	192		988.7	1012.4	28.9	1.5	18.8	-3.7	3	11	-46 0
83592 CARATINGA	1948S	04209W	609		948.6	1016.8	21.8		16.6		1	1	1
ECUADOR													
84203 GUAYAQUIL/SIMON BOLIVAR	0209S	07953W	9	30	1012.1		24.5	0.3	21.5	0.9	0	T	-2 4
84226 CANAR	0233S	07856W	3120	30			11.1	0.2	9.7	0.0	7	40	13 5 75
PERU													
84370 TUMBES	0333S	08024W	27		1009.4	1012.3	23.1		22.0		0	0	1
84377 IQUITOS	0345S	07315W	126		999.8	1013.8	25.9	-0.5	28.0	1.7	9	79	-121 1
84452 CHICLAYO	0647S	07950W	34		1011.4	1014.5	17.3	-0.9	15.9	0.1	0	0	-1 5
84542 ANTA (HUARAZ)	0921S	07736W	2760		735.4		17.4				8	22	
84628 LIMA-CALLAO/AEROP. INTL	1200S	07707W	13		1013.6	1015.0	16.0	-0.1	15.4	-0.3	0	T	-1 3
84686 CUZCO	1333S	07159W	3249		688.2		12.2	-0.3	7.3	-0.8	3	4	-17 1
84691 PISCO	1345S	07617W	7		1012.8	1013.5	16.5	0.0	10.2	-4.9	1	3	3 6
BOLIVIA													
85041 COBIJA	1105S	06852W	252	29		1014.0	27.8	1.8			5	51	-31 2
85043 RIBERALTA	1101S	06607W	135	30		1010.6	29.8	1.5			1	22	-52 0
85104 SAN JOAQUIN	1304S	06440W	140	30			29.8	1.7			0	0	-53 0
85114 MAGDALENA	1320S	06409W	141	30		1008.3	29.6	1.8			2	19	-43 1
85123 SANTA ANA	1343S	06535W	144	30		1012.1	29.4	2.2			1	8	-84 1
85141 RURRENABAQUE	1429S	06729W	202	30		1007.9	27.4	0.7			9	56	-14 3
85154 TRINIDAD	1451S	06457W	157	30		1011.5	27.9	0.4			3	159	72 5
85196 CONCEPCION	1615S	06206W	497	29		1011.9	27.0	0.9			1	4	-44 1
85201 LA PAZ/ALTO	1631S	06811W	4071	30	629.1		10.1	1.5			4	22	-9 3
85207 SAN IGNACIO DE VELASCO	1622S	06057W	413	30		1011.5	28.3	2.6			3	42	1
85223 COCHABAMBA	1727S	06606W	2548	30	750.3		20.0	1.4			5	19	10 5
85230 CHARANA	1735S	06927W	4057	30	625.3		8.8	1.2			1	3	-1 3
85242 ORURO	1803S	06704W	3702	30	652.8		12.1	1.5			6	46	34 5
85245 SANTA CRUZ	1748S	06310W	414	30		1010.4	25.3	-0.1			6	33	-25 2
85268 ROBORE	1819S	05945W	265	30		1011.2	28.8	1.9			2	2	-53 0
85283 SUCRE	1901S	06516W	2903	30	718.3		15.3	-0.9			6	27	13 5
85289 PUERTO SUAREZ	1900S	05744W	135	30		1009.1	27.9	1.2			1	8	-44 2
85315 CAMIRI	2003S	06334W	810	30		1011.0	22.6	-1.3			0	T	-12 1

S AMER-BOLIVIA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS - 1 MM	TOTAL	DEPARTURE	QUINTILE		
SEP 1988	0°	0°	3		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%	
S AMERICA																
BOLIVIA																
85365 YACUIBA	2201S	06342W	643	30		1013.0	21.9	-1.2			0	0	-10	2		
PARAGUAY																
86068 MARISCAL ESTIGARRIBIA	2201S	06036W	181	30	994.7	1015.5	23.0	-1.8	12.5	-1.0	1	8	-12	2	83	
86086 PUERTO CASADO	2217S	05752W	87	30	1006.0	1016.4	23.4	-0.3	19.0	1.7	2	44	-11	3		
86134 CONCEPCION	2325S	05718W	74	30	1003.5	1013.5	22.6	-0.1	17.9	-0.5	2	33	-36	2	91	
86218 ASUNCION/AEROPUERTO	2516S	05738W	101	30	1009.5	1015.6	20.9	-0.6	15.3	0.1	3	8	-73	0	85	
86233 VILLARRICA	2545S	05626W	161	30	996.8	1015.5	19.8	-0.4	16.1	0.3	4	15	-98	0	85	
86248 PUERTO PRESIDENTE STROESSNER	2532S	05436W	196	30	992.0	1013.5	21.2	1.5	16.7	0.2	3	19	-127	0	85	
86255 PILAR	2651S	05819W	56	30	1010.2	1016.9	18.7	-1.1	15.5	-0.2	8	41	-40	2		
86260 SAN JUAN BAUTISTA MISIONES	2640S	05709W	126	30	1002.6	1017.4	18.5	-0.6	15.9	1.2	10	165	55	5		
86297 ENCARNACION	2719S	05550W	91	30	1006.7	1016.2	18.3	-0.9	15.5	-0.1	10	195	50	4	57	
ARGENTINA																
87007 LA QUIACA OBSERVATORIO	2206S	06536W	3459		672.9	3131	Z	3.9	-5.0	3.3	-1.1	0	0	-3	0	
87016 ORAN AERO	2309S	06419W	357		973.7	1015.8		13.7		12.7		0	T	1	71	70
87046 JUJUY AERO	2423S	06505W	904		913.7	1505	Y	10.7	-5.9	9.8	-0.5	0	0	-7	2	169
87047 SALTA AERO	2451S	06529W	1221		879.2	1505	Y	8.5	-6.9	7.8	-2.3	0	0	-5	1	121
87065 RIVADAVIA	2410S	06254W	205		990.8	1014.9		14.8	-6.9	12.0		1	8	-5	3	
87078 LAS LOMITAS	2442S	06035W	130		1000.2	1015.7		15.2	-6.1	13.2	-0.4	3	7	-24	1	
87097 IGUAZU AERO	2544S	05428W	270		986.7	1018.8		14.1		15.1		8	148	3	70	60
87121 TUCUMAN AERO	2651S	06506W	450		963.8	1016.6		11.1		9.8		1	3			
87129 SANTIAGO DEL ESTERO AERO.	2746S	06418W	199		992.6	1016.4		11.4	-7.1	8.6	-2.8	0	1	-10	2	97
87149 PRES. ROQUE SAENZ PENA AERO	2649S	06027W	92		1006.6	1017.6		14.0	-5.8	12.2	-1.7	2	8	-26	1	143
87155 RESISTENCIA AERO.	2727S	05903W	52		1011.8	1018.1		13.1	-5.5	12.1	-2.7	6	41	-23	2	121
87162 FORMOSA AERO	2612S	05814W	60		1009.4	1016.4		15.3	-4.4	13.6	-2.5	3	15	-71	0	163
87166 CORRIENTES AERO.	2727S	05846W	62		1010.4	1017.9		13.8	-5.0	12.5	-2.3	6	29	-43	2	155
87178 POSADAS AERO.	2722S	05558W	125		1002.7	1018.4		14.2	-4.7	13.2	-2.2	11	72	-76	2	120
87217 LA RIOJA AERO.	2923S	06649W	429		965.2	1016.0		9.4	-8.8	7.1	-2.5	0	0	-6	2	210
87222 CATAMARCA AERO.	2836S	06546W	454		961.6	1015.0										86
87257 CERES	2953S	06157W	88		1007.5	1018.1		10.7	-5.8	9.4	-3.6	1	4	-38	1	171
87270 RECONQUISTA AERO	2911S	05940W	53		1012.1	1018.5		11.4	-5.5	11.2	-3.4	2	12	-52	0	148
87289 PASO DE LOS LIBRES AERO	2941S	05709W	70		1010.6	1019.2		11.0	-6.0	11.3	-2.4	7	58	-62	1	117
87305 JACHAL	3015S	06845W	1165		884.5	1494	Y	9.4	-3.8	6.2	-1.1	0	T	-3	2	186
87311 SAN JUAN AERO	3134S	06825W	598		946.9	1017.9		7.0	-7.4	5.2	-1.8	0	0	-3	3	215
87320 CHAMICAL AERO	3022S	06617W	461		963.1	1017.3		10.0		7.2		0	0		2	83
87322 CHEPES	3120S	06636W	658		940.6	1017.9		9.0	-7.2	6.8	-2.6	0	0	-11	2	
87328 VILLA DOLORES AERO	3157S	06508W	569		950.7	1017.0		10.1		7.5		0	0		1	181
87344 CORDOBA AERO	3119S	06413W	474		962.1	1018.4		9.2	-5.8	7.2	-2.4	0	0	-34	1	204
87349 PILAR OBSERVATORIO	3140S	06353W	338		978.0	1018.4		9.6	-4.8	7.6	-1.8	0	0	-33	1	203
87374 PARANA AERO	3147S	06029W	78		1009.6	1019.0		9.8	-5.0	9.1	-2.9	10	-44	1	150	74
87395 CONCORDIA AERO	3118S	05801W	38		1015.4	1020.1		9.9	-5.8	9.9	-2.3	30	-68	1		
ANTARCTICA																
CHILE (ANTARCTIC)																
89056 CENTRO MET.ANTARTICO PDTE.	6215S	05856W	10	30	991.5	992.6		-4.0	0.5	3.8		8	27	-8		
89057 BASE ARTURO PRAT	6230S	05941W	5	30	992.8	993.4						17	119			
89059 BASE BERNARDO O'HIGGINS	6319S	05754W	10	30	991.6	992.9						12	47			
SW PACIFIC																
SAMOA																
91762 APIA	1348S	17147W	2		1012.6	1012.9		26.3	0.2	28.5	0.9	21	178	16	4	83
NEW ZEALAND (COOK ISLANDS)																
91843 RAROTONGA	2112S	15949W	7		1017.4	1018.2		23.7	1.5	23.1	2.3	11	135	4	4	88
MALAYSIA(SABAH & SARAWAK)																
96413 KUCHING	0129N	11020E	27	30	1007.0	1009.6		26.1	-0.1	29.0	-0.4	16	272	0	3	100
96441 BINTULU	0312N	11302E	5	30	1008.6	1009.1		26.8	0.6	30.6	1.1	18	327	99	5	105
96471 KOTA KINABALU	0556N	11603E	3	30	1007.9	1008.2		27.0	0.3	29.5	1.2	20	309	-2	3	95
96481 TAWAU	0416N	11753E	20	30	1006.4	1008.7		26.9	0.5	30.0	0.8	9	114	-58	1	105

SW PAC-PHILIPPINES

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN mb	STATION mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAY 1 MM mm	TOTAL mm	DEPARTURE mm	QUINILE mm
SEP 1988 SW PACIFIC PHILIPPINES	0°	0°	0											
98135 BASCO	2027N	12158E	11	30	1006.6	1007.8	29.0	2.3	33.6	6.8	19	443	26	4
98444 LEGASPI	1308N	12344E	17	30	1005.7	1007.6	28.3	0.8	31.7	2.0	11	147	-105	1
98644 TAGBILARAN	0936N	12351E	6	30	1006.5	1007.2	28.3	0.2	29.8	5.7	11	85	-41	2
98653 SURIGAO	0948N	12530E		30	1001.7	1008.0	27.9	0.2	31.7	1.5	16	137	-17	3

AFRICA-ZIMBABWE

SURFACE CORRECTIONS

EUROPE-NORWAY

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps		
EUROPE - NORWAY																												
JAN MAYEN																												
01001 7056N 00840W OB 3																												
030	23490	9	-62.7	26.5	9	89	278	16	030	23318	8	-63.2	21.7	9	84	292	15	030	23545	0	-62.2		1	86	288	20		
050	20323	6	-59.6	27.2	7	87	275	15	050	20158	2	-60.2	21.3	2	84	293	16	050	20379	0	-59.2		1	82	288	16		
100	15926	4	-54.8	28.2	5	86	272	15	100	15776	2	-54.4	22.2	3	82	234	16	100	15996	0	-54.9		0	82	285	16		
150	13328	1	-53.2	25.9	2	84	273	16	150	13170	2	-52.3	23.5	2	81	292	17	150	13396	0	-53.8		0	80	285	19		
200	11476	0	-53.7	21.4	0	80	274	18	200	11303	0	-51.4	21.3	1	78	292	18	200	11546	0	-53.8		0	79	284	22		
300	8863	9	-49.8	11.4	1	75	275	20	300	8688	0	-52.3	9.8	0	72	293	19	300	8925	0	-48.7		0	75	278	23		
500	5360	7	-26.9	11.0	9	70	275	12	500	5236	0	-31.2	10.1	0	72	293	14	500	5406	0	-26.4	6.9	0	76	278	16		
700	2863	0	-12.7	12.4	9	54	276	7	700	2785	0	-17.7	7.5	0	67	295	9	700	2898	0	-11.6	2.7	0	72	268	11		
850	1363	0	-6.5	8.0	0	35	287	4	850	1312	0	-11.0	4.5	1	46	315	5	850	1387	0	-3.6	2.5	0	64	256	8		
1009	*	9	-0.5	3.0					1004	*	18	-3.2	2.4					1009	*	8	5.8	1.9						
EUROPE - NORWAY																												
BJORNØYA																												
01028 7431N 01901E OB 3																												
030	23490	8	-63.2	26.5	9	89	278	16	030	23318	2	-63.2	21.7	9	84	292	15	030	23545	0	-62.2		1	86	288	20		
050	20323	6	-59.6	27.2	7	87	275	15	050	20158	2	-60.2	21.3	2	84	293	16	050	20379	0	-59.2		1	82	288	16		
100	15926	4	-54.8	28.2	5	86	272	15	100	15776	2	-54.4	22.2	3	82	234	16	100	15996	0	-54.9		0	82	285	16		
150	13328	1	-53.2	25.9	2	84	273	16	150	13170	2	-52.3	23.5	2	81	292	17	150	13396	0	-53.8		0	80	285	19		
200	11476	0	-53.7	21.4	0	80	274	18	200	11303	0	-51.4	21.3	1	78	292	18	200	11546	0	-53.8		0	79	284	22		
300	8863	9	-49.8	11.4	1	75	275	20	300	8688	0	-52.3	9.8	0	72	293	19	300	8925	0	-48.7		0	75	278	23		
500	5360	7	-26.9	11.0	9	70	275	12	500	5236	0	-31.2	10.1	0	72	293	14	500	5406	0	-26.4	6.9	0	76	278	16		
700	2863	0	-12.7	12.4	9	54	276	7	700	2785	0	-17.7	7.5	0	67	295	9	700	2898	0	-11.6	2.7	0	72	268	11		
850	1363	0	-6.5	8.0	0	35	287	4	850	1312	0	-11.0	4.5	1	46	315	5	850	1387	0	-3.6	2.5	0	64	256	8		
1009	*	9	-0.5	3.0					1004	*	18	-3.2	2.4					1009	*	8	5.8	1.9						
EUROPE - NORWAY																												
BODØ																												
01152 6715N 01424E OB 3																												
030	23490	0	-62.2						030	23545	1	-62.2						030	23521	0	-61.2							
050	20323	0	-59.2						050	20379	1	-59.2						050	20505	0	-59.8							
100	15926	0	-54.9						100	15996	0	-54.9						100	16146	0	-57.9							
150	13328	0	-53.8						150	13396	0	-53.8						150	13581	0	-56.0							
200	11476	0	-53.7						200	11546	0	-53.8						200	11753	0	-55.8							
300	8863	0	-49.8						300	8925	0	-48.7						300	9138	0	-46.1							
500	5360	0	-26.9						500	5553	0	-20.4						500	5551	0	-21.2	5.9	0	54	245	9		
700	2863	0	-12.7						700	500	0	-7.2						700	3083	0	-5.6	6.6	0	45	240	6		
850	1363	0	-6.5						850	850	0	0.2						850	1442	0	1.4	4.3	0	44	190	5		
1009	*	10	7.4	2.9					1004	*	201	4.0	2.7					1010	*	33	8.2	3.6						
EUROPE - SWEDEN																												
SUNDSVALL-HARNOSAND FLYGPLAT																												
02365 6232N 01727E OB 3																												
030	23642	9	-61.4	28.8		0	87	293	15	030	23568	3	-61.9	29.6		0	87	288	14	030	23663	2	-61.5	27.5		9	285	8
050	20440	6	-60.1	28.5		0	84	293	14	050	20447	0	-60.4	29.1		0	86	290	14	050	20477	1	-60.3	27.8	9	69	285	8
100	15908	4	-55.7		0	83	292	18	100	16024	0	-56.9		0	0	81	291	14	100	16060	0	-57.4						
150	13485	2	-55.8	24.2		0	81	290	19	150	13448	0	-55.6		0	0	79	288	18	150	13494	0	-56.5					
200	11469	0	-53.8		0	80	292	22	200	11622	0	-55.9		0	0	75	286	21	200	11671	0	-56.6						
300	8859	0	-50.3	8.9	0	76	292	24	300	9011	0	-48.5	8.8	0	0	71	283	21	300	9061	0	-48.3	8.7	0	69</			

EUROPE-U KINGDOM

UPPER AIR

OCTOBER 1988

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps			
EUROPE - UNITED KINGDOM CRAWLEY 03774 5105N 00013W OB 3																										
030	23729	1	-59.7		1	87	264	9	030	23767	9	-58.9		9	83	278	8	030	23672	2	-60.1		2	90	268	12
050	20535	1	-59.9		0	74	266	7	050	20558	4	-58.9		7	69	264	5	050	20460	0	-58.2		0	84	264	11
100	16200	1	-59.4		0	74	255	9	100	16194	2	-57.4		5	67	241	6	100	16060	0	-54.4		0	74	259	9
150	13658	1	-58.3		0	69	256	12	150	13621	2	-55.5		4	67	233	10	150	13456	0	-53.6		0	60	254	9
200	12851	1	-57.7		0	57	254	15	200	11787	2	-54.5		3	66	232	15	200	11612	0	-54.8		0	47	243	8
300	9233	1	-44.6		0	58	249	15	300	9156	0	-45.4	13.1	2	63	230	18	300	9000	0	-47.9		0	35	233	7
500	5620	0	-18.2	10.8	0	61	237	11	500	5554	0	-19.7	13.6	0	60	227	12	500	5447	0	-22.9	9.5	0	32	229	7
700	3027	0	-2.4	9.0	0	60	231	8	700	2974	0	-3.5	11.5	0	57	220	9	700	2903	0	-7.9	10.6	0	17	201	2
850	1464	0	4.9	6.2	0	60	225	7	850	1418	0	4.1	5.4	0	52	212	7	850	1378	0	-2.7	3.5	0	14	177	2
997	* 144		11.6	2.7				1008	* 14		11.7	2.6				1004	* 54		4.5	2.7						
EUROPE - DENMARK (GREENLAND) NARSSARSSUAQ 04270 6111N 04526W OB 3																										
030	23715	0	-58.7		0	92	269	14	030	23322	0	-63.4		0	89	279	13	030	23503	1	-62.0		1	91	273	15
050	20494	0	-56.7		0	89	263	12	050	20160	0	-60.4		0	88	278	13	050	20335	0	-50.3		0	87	270	13
100	16070	0	-53.7		0	82	259	11	100	15783	0	-54.6		0	87	279	14	100	15943	0	-50.2		0	85	265	13
150	13455	0	-52.3		0	76	259	12	150	13176	0	-52.5		0	87	278	15	150	13340	0	-53.2		0	82	263	14
200	11597	0	-53.2		0	68	262	13	200	11311	0	-52.4		0	85	281	18	200	11489	0	-54.1		0	78	262	15
300	8966	0	-47.7		0	46	263	10	300	8693	0	-51.7		0	80	282	19	300	8883	0	-50.0		0	68	264	15
500	5425	0	-24.3	12.5	0	37	265	6	500	5255	0	-32.3	11.2	0	76	294	13	500	5376	0	-26.7	10.3	0	65	266	9
700	2901	0	-10.3	12.6	0	33	277	3	700	2810	0	-18.3	11.5	0	73	309	9	700	2876	0	-12.8	10.4	0	35	289	4
850	1389	0	-4.5	7.4	0	22	113	1	850	1343	0	-12.5	10.3	0	74	314	7	850	1378	0	-7.4	9.9	0	50	329	4
1011	* 4		-1.0	4.2				1011	* 14		-12.9	4.8				1005	* 66		-4.8	4.9						
EUROPE - DENMARK (GREENLAND) ANGMAGSSALIK 04360 6536N 03738W OB 3																										
030	23609	0	-60.5		1	91	265	14	030	23675	0	-60.7		0	92	280	12	030	23719	0	-60.6		0	87	277	11
050	20412	0	-58.1		0	88	263	12	050	20476	0	-58.9		0	86	274	10	050	20533	0	-59.5		0	84	278	9
100	16004	0	-54.1		0	82	262	11	100	16086	0	-55.8		0	79	262	10	100	16180	0	-58.3		0	79	275	10
150	13396	0	-52.9		1	75	254	10	150	13498	0	-54.5		0	69	256	11	150	13624	0	-57.1		0	71	272	12
200	11545	0	-54.1		0	64	245	10	200	11659	0	-55.4		0	56	250	11	200	11804	0	-56.4		0	65	267	15
300	8935	0	-49.5		0	57	231	10	300	9048	0	-47.6		0	38	245	9	300	9176	0	-45.4	12.0	0	53	269	14
500	5411	0	-25.2	11.7	0	33	223	4	500	5484	0	-22.1	11.2	0	39	244	7	500	5587	0	-20.6	14.2	0	48	262	9
700	2892	0	-10.4	11.4	0	12	135	1	700	2932	0	-7.1	10.5	0	35	228	5	700	3016	0	-4.5	14.9	0	44	252	6
850	1378	0	-4.3	7.9	0	21	78	2	850	1399	0	-1.3	3.2	0	20	189	3	850	1465	0	2.8	11.1	0	37	233	4
1016	* 52		-0.6	3.6				1004	* 55		7.3	2.7				1012	* 40		8.5	3.2						
EUROPE - NETHERLANDS DE BILT 06260 5206N 00511E OB 1																										
030	23760	6	-59.4		3	79	275	9	030	23769	2	-59.2		9	90	272	8	030	23786	13	-59.6					
050	20563	3	-59.7		1	68	260	7	050	20574	2	-60.7		7	86	264	8	050	20593	6	-59.6					
100	16218	1	-59.6		0	76	264	9	100	16272	0	-61.0		1	80	269	9	100	16255	3	-59.7					
150	13670	1	-58.3		0	65	264	11	150	13755	0	-60.6		0	72	261	11	150	13716	3	-59.1					
200	11857	1	-57.6		0	59	262	14	200	11961	0	-59.5	4.6	0	62	256	14	200	11906	3	-56.9		9	64	248	13
300	9240	0	-45.1		0	57	255	15	300	9348	0	-43.6	5.4	0	58	256	14	300	9274	2	-43.1		5	68	254	18
500	5631	0	-18.7	14.2	0	60	250	11	500	5708	0	-16.4	6.3	0	64	250	11	500	5640	2	-17.0	11.4	5	67	246	12
700	3043	0	-2.9	7.9	0	64	244	8	700	3095	0	-0.2	6.8	0	71	236	8	700	3033	2	-1.3	12.2	5	66	238	9
850	1480	0	5.5	7.9	0	64	235	6	850	1513	0	8.7	6.6	0	65	230	5	850	1462	2	6.2	6.6	5	67	222	9
1016	* 4		9.7	1.5				961	* 491		10.9	2.4				1002	* 103		11.9	2.1						
EUROPE - FRANCE TRAPPES 07145 4846N 00201E OB 1																										
030									030									030	23791	12	-59.4					
050									050									050	20597	7	-60.5					
100	16231	5	-60.6						100	16258	7	-60.0						100	16287	3	-61.1					
150	13705	5	-59.5						150	13728	6	-60.0						150	13769	3	-59.4					

EUROPE-FRANCE

UPPER AIR

OCTOBER 1988

EUROPE-GERMANY, FED REP

UPPER AIR

OCTOBER 1988

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED						
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	
EUROPE - GERMANY, FEDERAL REPUBLIC STUTTGART/SCHNARRENBERG 10739 4850N 00912E OB 3	EUROPE - GERMANY, FEDERAL REPUBLIC MUENCHEN-OBERSCHLEISHEIM 10868 4815N 01133E OB 3	EUROPE - AUSTRIA WIEN/HOHE WARTE 11035 4815N 01622E OB 3																														
030 23737 0 -59.6 0 92 272 9 030 23738 0 -59.3 0 92 274 9 030 23791 1 -58.1 1 90 274 9	050 20549 0 -60.4 0 85 273 7 050 20550 0 -60.5 0 87 277 7 050 20586 0 -59.3 0 87 283 7	100 16236 0 -60.6 11.4 0 80 272 9 100 16239 0 -60.7 11.6 0 79 273 8 100 16257 0 -59.9 0 76 285 8	150 13712 0 -60.4 10.7 0 74 268 12 150 13720 0 -61.0 10.8 0 75 277 12 150 13729 0 -60.2 0 68 284 10	200 11917 0 -59.9 9.9 0 61 262 15 200 11931 0 -60.1 10.1 0 60 273 13 200 11936 0 -59.7 0 62 293 11	300 9310 0 -44.4 10.8 0 57 259 15 300 9322 0 -44.4 11.4 0 57 272 13 300 9326 0 -44.5 0 58 290 10	500 5683 0 -17.3 11.3 0 64 252 10 500 5695 0 -17.1 12.0 0 61 260 7 500 5700 0 -17.0 11.9 0 57 277 7	700 3078 0 -1.2 9.9 0 67 246 8 700 3088 0 -0.9 9.5 0 70 260 7 700 3092 0 -0.9 10.1 0 57 272 5	850 1504 0 7.5 8.1 0 52 244 4 850 1511 0 8.1 10.4 0 59 251 5 850 1517 0 7.3 7.7 0 42 226 4	981 * 315 11.5 2.7 * 489 10.4 2.4 * 200 11.5 4.5 997 * 200 11.5 4.5																							
EUROPE - CZECHOSLOVAKIA PRAHA-LIBUS 11520 5000N 01427E OB 3	EUROPE - CZECHOSLOVAKIA POPRAD/GANOVCE 11952 4902N 02019E OB 3	EUROPE - POLAND LEBA 12120 5445N 01732E OB 3																														
030 23776 22 -58.3 9 94 271 12 030 23762 5 -60.3 6 89 265 9 030 23791 1 -58.1 1 90 274 9	050 20611 12 -59.0 9 88 271 8 050 20575 0 -60.9 0 84 270 7 050 20586 0 -59.3 0 87 283 7	100 16264 1 -59.6 7.5 2 75 281 8 100 16269 0 -61.1 6.4 0 73 278 8 100 16239 12 -56.7 9 74 283 6	150 13727 1 -59.3 6.7 2 69 279 10 150 13748 0 -60.5 5.7 0 61 288 10 150 13678 3 -54.4 3 69 279 6	200 11924 0 -58.9 6.3 1 62 277 13 200 11958 0 -58.8 5.5 0 51 296 10 200 11867 1 -55.9 1 64 272 7	300 9311 0 -44.5 7.0 1 57 275 12 300 9330 0 -43.0 6.5 0 53 290 10 300 9231 0 -44.8 5.3 0 55 263 7	500 5687 0 -17.2 8.6 1 62 273 9 500 5689 0 -16.6 8.6 0 54 287 7 500 5626 0 -19.8 9.9 0 58 231 0	700 3081 0 -1.1 6.6 1 61 280 7 700 3087 0 -1.8 7.8 0 43 257 3 700 3046 0 -4.3 9.0 0 59 239 4	850 1507 0 6.8 5.0 1 53 289 5 850 1522 0 5.2 6.5 0 51 225 3 850 1490 0 3.9 7.8 0 56 227 4	983 * 304 10.2 4.5 * 706 8.0 6.1 * 200 9.6 4.2 1019 * 200 9.6 4.2																							
EUROPE - POLAND POZNAN 12330 5225N 01650E OB 3	EUROPE - POLAND LEGIONOWO 12374 5224N 02058E OB 3	EUROPE - POLAND WROCŁAW I 12425 5108N 01659E OB 1																														
030 23879 30 -57.3 9 92 275 10 030 23913 8 -58.7 8 91 276 6 030 23836 0 -57.7 1 92 275 6	050 20654 19 -58.7 9 86 282 7 050 20703 6 -58.1 6 88 276 7 050 20586 0 -59.3 0 87 283 7	100 16265 9 -57.0 9 83 284 6 100 16321 3 -57.5 3 78 283 5 100 16339 7 -59.4 9 52 275 9	150 13702 9 -56.0 9 74 275 6 150 13749 2 -57.1 2 69 280 6 150 13795 4 -59.4 4 53 275 9	200 11891 5 -56.3 5 71 268 7 200 11927 1 -56.4 1 56 284 6 200 11956 0 -58.0 9 53 275 9	300 9259 4 -44.6 4 70 271 9 300 9294 0 -44.1 0 56 275 6 300 9318 0 -42.4 9 53 275 9	500 5648 4 -18.9 10.4 4 70 263 6 500 5674 0 -18.4 9.8 0 55 274 4 500 5676 0 -16.8 8.9 2 67 293 11	700 3059 3 -2.9 9.7 3 64 243 4 700 3082 0 -3.1 10.7 0 52 245 3 700 3070 0 -1.5 8.3 0 56 257 6	850 1498 3 4.2 6.1 3 51 220 3 850 1521 0 4.5 8.4 0 46 221 3 850 1502 0 5.4 5.9 0 57 227 6	1009 * 92 9.6 4.9 * 96 8.8 4.9 * 116 8.6 2.8 1005 * 116 8.6 2.8																							
EUROPE - HUNGARY BUDAPEST/LORINC 12843 4726N 01911E OB	EUROPE - HUNGARY SZEGED 12982 4615N 02006E OB 3	EUROPE - ROMANIA CLUJ-NAPOCA 15120 4647N 02334E OB 1																														
030 23879 30 -57.3 9 92 275 10 030 23882 16 -57.4 9 93 271 5 030 23836 0 -57.7 1 92 275 6	050 20654 19 -58.7 9 86 282 7 050 20669 7 -58.9 7 91 281 4 050 20586 0 -59.3 0 87 283 7	100 16265 9 -57.0 9 83 284 6 100 16321 3 -57.5 3 78 283 5 100 16339 7 -59.4 9 52 275 9	150 13760 7 -59.0 7 69 301 10 150 13789 0 -58.5 0 73 305 5 150 13733 4 -58.4 5 50 275 7	200 11953 5 -58.0 5 59 310 11 200 11980 0 -57.8 0 64 315 6 200 11924 0 -57.5 4 60 275 6	300 9329 5 -44.0 6.0 5 53 314 10 300 9356 0 -43.8 6.5 0 48 321 5 300 9297 0 -43.2 6.7 0 60 345 6	500 5699 5 -17.0 8.6 5 56 308 7 500 5721 0 -16.7 8.9 0 50 311 3 500 5674 0 -17.9 9.0 0 60 340 4	700 3093 5 -1.5 7.9 5 48 299 4 700 3109 0 -0.7 8.9 0 44 307 2 700 3080 0 -2.7 4.0 0 70 350 3	850 1523 5 5.5 7.2 5 19 252 1 850 1533 0 6.7 8.7 0 11 273 1 850 1522 0 5.0 3.0 0 60 200 2	1005 * 139 10.0 5.4 * 83 11.3 7.1 973 * 413 5.9 2.5																							
EUROPE - ROMANIA BUCHAREST/IMH 15420 4430N 02608E OB 1	EUROPE - ROMANIA CONSTANTA 15480 4413N 02838E OB 1	EUROPE - ITALY MILANO/LINATE 16080 4526N 00917E OB 1																														
030 23879 30 -57.3 9 92 275 10 030 23882 16 -57.4 9 93 271 5 030 23836 0 -57.7 1 92 275 6	050 20654 19 -58.7 9 86 282 7 050 20669 7 -58.9 7 91 281 4 050 20586 0 -59.3 0 87 283 7	100 16265 9 -57.0 9 83 284 6 100 16321 3 -57.5 3 78 283 5 100 16299 0 -60.9 22.5 0 82 278 9	150 13770 0 -56.8 7.1 0 40 325 4 150 13760 2 -56.6 6.2 4 60 295 9 150 13777 0 -60.6 17.6 0 74 277 12	200 11966 0 -55.9 6.9 0 35 340 4 200 11946 0 -55.9 5.7 3 50 300 6 200 11987 0 -60.2 11.6 0 66 276 14	300 9315 0 -43.4 8.1 0 40 310 4 300 9302 0 -43.2 6.0 2 50 320 3 300 9371 0 -43.2 10.6 0 63 275 13	500 5674 0 -17.4 10.7 0 50 330 3 500 5675 0 -17.7 9.3 2 40 330 2 500 5724 0 -15.6 10.6 0 64 266 9	700 3091 0 -2.1 0.1 0 40 360 2 700 3082 0 -2.4 9.1 2 40 5 2 700 3103 0 0.5 7.2 0 60 250 5	850 1496 0 4.4 8.0 0 50 55 2 850 1519 0 4.3 6.3 2 60 20 2 850 1519 0 8.6 4.8 0 29 192 2	1011 * 91 6.2 2.1 * 14 10.9 2.0 1006 * 103 15.8 4.7																							

EUROPE-ITALY

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
EUROPE - ITALY PRATICA DI MARE 16245 4139N 01226E OB /																										
030	23896	2	-56.3	30.0	2	89	273	9	030	23920	11	-54.7		9	71	260	5	030	24102	0	-53.8	32.5	0	33	102	4
050	20676	1	-59.2	29.3	1	91	280	8	050	20683	7	-59.6		8	60	263	3	050	20851	0	-58.6	30.8	0	25	107	2
100	16354	0	-61.3	26.8	0	87	284	10	100	16358	2	-60.1	18.7	2	83	301	13	100	16554	0	-57.6	28.0	0	85	265	9
150	13838	0	-61.1	19.9	0	78	291	11	150	13826	2	-60.1	18.7	2	83	301	13	150	14048	0	-51.7	25.6	0	89	269	16
200	12051	0	-60.1	12.0	1	70	300	12	200	12030	1	-59.3	14.3	1	85	313	17	200	12228	0	-52.2	21.4	0	84	276	18
300	9429	0	-42.6	11.6	1	53	299	9	300	9403	1	-42.6	14.9	1	78	318	16	300	9545	0	-38.6	18.8	0	80	287	12
500	5772	0	-14.9	13.1	0	62	293	8	500	5749	1	-15.1	17.7	1	70	317	10	500	5835	0	-11.4	19.3	0	77	297	9
700	3141	0	2.1	11.4	0	57	279	5	700	3121	0	1.5	13.7	2	56	318	6	700	3168	0	6.4	20.0	0	74	298	6
850	1545	0	11.6	9.3	0	49	242	3	850	1529	0	11.2	13.7	0	38	336	3	850	1547	0	16.3	17.4	0	39	275	2
1015	*	12	19.9	6.1				1017	*	10	19.3	5.0					1016	*	14	24.4	8.8					
EUROPE - ITALY CAGLIARI/ELMAS 16560 3915N 00903E OB /																										
030	23897	5	-56.3	30.9	5	79	273	7	030	23920	11	-54.7		9	71	260	5	030	23908	6	-55.1			8	88	240
050	20682	4	-59.1	29.7	4	90	279	7	050	20683	7	-59.6		8	60	263	3	050	20674	4	-57.8			5	81	250
100	16368	3	-62.7	25.3	3	88	277	10	100	16380	3	-62.8		5	96	265	12	100	16329	0	-59.1			0	85	250
150	13866	3	-62.0	18.0	3	81	280	12	150	13860	2	-59.4		4	94	269	17	150	13776	0	-56.0			0	82	240
200	12086	3	-60.2	11.8	3	73	284	14	200	12044	2	-55.6		3	51	277	19	200	11934	0	-54.6			0	79	230
300	9459	3	-41.8	12.8	3	67	288	12	300	9398	2	-42.4	12.6	3	84	292	14	300	9304	0	-44.9			0	79	230
500	5790	3	-14.2	13.9	3	65	282	8	500	5739	1	-14.9	13.0	2	77	298	9	500	5590	0	-17.3	9.8		0	67	250
700	3149	3	3.9	16.2	3	67	278	6	700	3110	1	2.1	11.7	1	65	310	6	700	3082	0	-1.1	6.3	0	60	250	5
850	1542	3	13.6	13.4	3	44	260	4	850	1516	1	9.7	7.1	1	73	314	6	850	1507	0	7.3	4.8	0	54	290	3
1018	*	18	21.2	4.7				1012	*	39	20.6	7.4					1017	*	4	17.0	5.0					
EUROPE - TURKEY ISTANBUL/GOZTEPE 17062 4058N 02905E OB 2																										
030	24032	12	-52.7		9	88	250	8	030	23963	9	-53.7		9	80	260	8	030	23934	1	-55.4			3	67	260
050	20745	6	-56.9		8	62	260	5	050	20699	4	-57.3		4	75	260	6	050	20695	0	-58.6			2	55	100
100	16363	3	-58.0		3	60	265	6	100	16346	0	-58.9		0	92	250	11	100	16366	0	-60.1			0	92	255
150	13800	3	-55.8		3	72	270	8	150	13776	0	-55.9		0	87	255	13	150	13822	0	-56.8			0	80	260
200	11967	3	-54.9		3	57	285	8	200	11946	0	-54.5		0	81	255	13	200	11996	0	-55.8			0	80	270
300	9326	1	-44.1		1	46	305	7	300	9316	0	-44.7		0	50	260	8	300	9362	0	-43.5			0	59	275
500	5697	0	-16.6	15.6	0	36	320	4	500	5694	0	-17.1	10.2	0	40	260	4	500	5722	0	-15.6	11.8	0	55	305	6
700	3088	0	-0.7	10.0	0	25	10	2	700	3089	0	-1.3	6.0	0	29	255	5	700	3098	0	1.2	11.9	0	29	310	2
850	1517	0	6.2	5.9	0	57	30	4	850	1513	0	8.6	5.8	0	20	295	1	850	1509	0	10.2	8.4	0	29	40	2
1015	*	40	17.1	6.1				915	*	894	14.8	10.2					1014	*	25	16.2	6.4					
EUROPE - TURKEY ISPARTA 17240 3745N 03033E OB 1																										
030	23822	12	-56.8		9	78	260	7	030	24117	1	-52.2		1	55	220	6	030	23774	9	-57.1					
050	20604	8	-60.6		8	89	255	8	050	20848	0	-56.5		0	62	240	8	050	20530	5	-60.4					
100	16314	3	-61.3		3	86	245	12	100	16484	0	-58.8		0	91	245	21	100	16317	2	-63.3					
150	13783	2	-57.7		2	88	255	15	150	13926	0	-55.2		0	97	245	30	150	13805	2	-58.9					
200	11956	0	-56.7		0	83	255	12	200	12078	0	-52.5		0	97	240	27	200	11984	2	-55.7					
300	9325	0	-44.3		0	75	242	12	300	9405	0	-41.1		0	96	240	27	300	9346	0	-44.0					
500	5701	0	-16.3	10.7	0	60	240	6	500	5737	0	-14.5	9.2	0	87	235	13	500	5714	0	-16.3	9.5				
700	3086	0	0.1	7.8	0	71	280	5	700	3102	0	1.6	6.5	0	75	210	6	700	3095	0	0.9	6.8				
850	1505	0	9.3	6.3	0	67	70	2	850	1502	0	13.7	8.1	0	60	175	3	850	1507	0	11.3	5.7				
903	*	997	7.6	4.2				939	*	677	21.6	10.8					1011	*	20	17.8	6.1					
EUROPE - USSR MURMANSK 22113 6858N 03303E OB 1																										
030	23576	0	-61.3		0	78	284	8	030	23474	2	-62.1		2	88	300	8	030	23778	12	-60.3			9	88	283
050	20380	0	-57.9		0	79	289	8	050	20295	1	-60.1		1	86	302	8	050	20559	5	-58.9			5	83	283
100	15968	0	-54.1		0	79	286	9	100	15933	0	-55.8		0	82	302	9	100	16138	2	-56.3			2	81	283</

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	
EUROPE - USSR																											
KAUNAS								MINSK								VOLGOGRAD								KIEV			
26629	5453N	02353E	OB 1	26850	5352N	02732E	OB 1	27037	5917N	03952E	OB 1																
030	23729	0	-60.0	10.1	0	84	284	5	030	23727	0	-59.9	8.9	0	82	280	6	030	23596	2	-60.6	7.0	9	80	270	6	
050	20544	0	-59.4	9.6	0	83	284	5	050	20533	0	-59.4	8.5	0	85	285	5	050	20391	0	-59.9	6.5	5	83	285	6	
100	16211	1	-58.7	8.4	1	72	284	5	100	16184	0	-58.8	7.5	0	72	286	5	100	16052	0	-57.7	5.9	2	84	285	7	
150	13661	0	-58.5	7.3	0	67	280	7	150	13639	0	-58.6	6.5	0	62	289	6	150	13487	0	-57.0	5.4	2	74	278	10	
200	11853	0	-58.1	6.5	0	53	276	7	200	11836	0	-58.5	5.9	0	49	288	6	200	11667	0	-57.1	5.0	1	70	279	10	
300	9233	0	-44.6	7.9	0	47	270	7	300	9226	0	-45.3	6.8	0	43	289	5	300	9064	0	-47.7	5.1	1	63	278	11	
500	5626	0	-19.8	10.7	1	62	265	6	500	5631	0	-20.2	9.8	0	43	277	4	500	5513	0	-23.5	7.1	0	66	278	8	
700	3048	0	-4.8	11.2	1	62	256	4	700	3061	0	-5.2	11.3	0	48	265	3	700	2976	0	-8.4	7.8	0	68	274	7	
850	1501	0	2.6	10.9	1	61	243	4	850	1514	0	2.3	10.5	0	46	260	3	850	1446	0	-1.6	5.4	1	70	270	5	
1012	*	75		7.2	4.2			995	*	234		6.5	4.9					1001	*	118		4.6	3.1				
KAZAN'								MOSKVA								KIEV								SARATOV			
27595	5547N	04911E	OB 1	27612	5545N	03734E	OB 1	33345	5024N	03027E	OB 1																
030	23656	2	-58.7	7.7	9	77	295	5	030	23681	2	-60.0	9.1	2	88	279	8	030	23775	0	-58.3	9.6	0	84	275	6	
050	20450	1	-59.4	7.2	9	93	303	5	050	20505	2	-59.2	8.9	2	85	280	6	050	20560	0	-58.7	8.8	0	86	274	5	
100	16079	1	-58.1	6.2	9	78	299	5	100	16157	0	-57.9	8.0	0	80	279	6	100	16207	0	-59.0	7.8	0	75	279	5	
150	13521	1	-57.7	5.7	9	72	293	7	150	13599	0	-57.4	7.1	0	72	279	7	150	13665	0	-58.1	6.9	0	58	286	4	
200	11713	1	-58.1	5.3	5	59	296	7	200	11781	0	-58.2	6.6	0	59	283	8	200	11852	0	-57.8	6.4	0	29	310	3	
300	9132	0	-47.2	6.1	1	56	292	7	300	9175	0	-46.2	7.7	0	55	283	8	300	9252	0	-45.7	7.4	0	18	321	2	
500	5567	0	-22.5	7.2	0	68	288	7	500	5590	0	-20.8	10.6	0	55	276	6	500	5655	0	-19.6	10.2	0	18	275	2	
700	3017	0	-7.0	9.3	0	74	285	6	700	3028	0	-6.3	11.9	0	60	276	5	700	3082	0	-4.7	10.8	0	6	305	1	
850	1482	0	-0.6	6.3	2	67	286	4	850	1490	0	0.4	9.1	0	59	274	4	850	1531	0	2.8	11.0	0	12	243	1	
1006	*	64		5.3	4.1			998	*	156		5.0	3.5					1004	*	179		8.3	6.4				
L'VOV								ODESSA								SARATOV								BET DAGAN			
33393	4949N	02357E	OB 1	33837	4629N	03038E	OB 1	34172	5134N	04602E	OB 1																
030	23834	0	-58.5	7.7	5	82	282	5	030	23860	4	-57.9		4	97	270	5	030	23777	0	-58.9	8.8	1	86	280	7	
050	20624	0	-58.7	7.3	5	74	284	4	050	20651	4	-58.3		4	90	271	5	050	20578	0	-59.4	8.1	0	90	278	6	
100	16271	0	-59.0	6.7	6	62	287	4	100	16299	3	-58.2		3	81	276	5	100	16231	0	-59.1	7.1	0	85	276	6	
150	13725	0	-58.9	6.4	6	48	316	4	150	13727	3	-55.9		3	67	287	5	150	13689	0	-58.5	6.2	0	75	275	6	
200	11926	0	-58.1	6.3	6	40	335	3	200	11887	3	-55.2		3	50	298	4	200	11886	0	-59.2	5.6	0	54	275	6	
300	9297	0	-43.8	7.8	3	32	319	3	300	9256	3	-44.6		3	33	307	3	300	9279	0	-45.0	6.9	0	55	274	6	
500	5677	0	-18.1	10.0	2	39	313	3	500	5655	2	-17.9	12.1	2	16	306	1	500	5666	0	-19.1	10.5	0	62	268	5	
700	3086	0	-3.3	11.3	0	24	289	1	700	3068	0	-2.3	12.8	0	17	41	1	700	3087	0	-4.4	12.8	0	55	270	3	
850	1526	0	4.2	8.8	0	24	226	1	850	1512	0	3.8	10.7	0	47	47	2	850	1542	0	1.0	9.4	0	43	274	2	
983	*	325		9.0	5.5			1017	*	64		11.1	5.0					1006	*	156		7.5	8.4				
HAR'KOV								ROSTOV-NA-DONU								GMO IM.E.K. FEDOROVA								ASIA - USSR			
34300	4956N	03617E	OB 1	34731	4715N	03949E	OB 1	40179	3200N	03449E	OB 1																
030	23865	3	-58.5		3	89	272	6	030	23874	0	-57.0	10.1	0	98	275	7	030	20778	7	-59.7			7	70	234	7
050	20666	2	-58.1		2	90	276	6	050	20647	0	-57.9	9.7	0	93	272	6	050	16509	0	-65.9			0	99	243	24
100	16312	2	-58.6		2	74	274	5	100	16284	0	-57.3	9.0	0	90	266	6	100	150	0	-60.3			0	99	242	32
150	13762	2	-57.5		2	59	273	4	150	13703	0	-55.9	8.2	0	74	263	5	150	14011	0	-54.2			0	98	244	32
200	11942	2	-56.9		2	27	265	3	200	11868	0	-55.3	7.4	0	43	253	3	200	12190	0	-54.2			0	97	242	27
300	9304	1	-42.5		1	24	249	3	300	9257	0	-47.2	7.5	0	24	225	3	300	9504	0	-38.6	11.8	0	97	242	27	
500	5668	1	-17.2	12.2	1	23	252	2	500	5673	0	-19.3	11.7	0	37	224	3	500	5793	0	-11.5	16.3	0	93	239	15	
700	3075	1	-3.2	13.6	1	5	214	1	700	3085	0	-2.9	12.6	0	24	184	2	700	3126	0	-5.5	18.0	0	89	228	9	
850	1525	1	3.0	11.7	1	5	169	1	850	1524	0	4.4	12.8	0	49	114	3	850	1517	0	13.7	9.6					

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LEVEL PRESSURE	TEMPERATURE			VECTOR WIND			LEVEL PRESSURE	TEMPERATURE			VECTOR WIND			LEVEL PRESSURE	TEMPERATURE			VECTOR WIND				
	HEIGHT gpm	MISSING MEAN °C	POINT DEPRESSION °C	MISSING STEDNESS %	DIRECTION °	SPEED mps		HEIGHT gpm	MISSING MEAN °C	POINT DEPRESSION °C	MISSING STEDNESS %	DIRECTION °	SPEED mps		HEIGHT gpm	MISSING MEAN °C	POINT DEPRESSION °C	MISSING STEDNESS %	DIRECTION °	SPEED mps		
mb							mb							mb								
ASIA - USSR OSTROV DIKSON 20674 7330N 08014E OB 1																						
030	23196	2	-61.7		2	76	275	4	030	23177	3	-60.4	8.6	4	84	257	5	030	23208	1	-59.4	
050	20017	2	-59.3		2	73	285	4	050	20001	1	-59.1	8.3	1	80	265	4	050	20015	0	-58.1	
100	15630	2	-54.0		2	78	294	4	100	15612	1	-54.8	7.7	1	74	277	4	100	15617	0	-53.9	
150	13019	1	-51.4		1	81	292	5	150	13002	1	-52.3	6.8	1	75	281	4	150	13001	0	-52.1	
200	11153	0	-50.5		0	70	292	5	200	11142	0	-51.5	5.7	1	79	280	5	200	11136	0	-51.5	
300	8543	0	-53.9		0	61	287	5	300	8525	0	-54.8	3.8	0	54	279	4	300	8536	0	-55.7	
500	5146	0	-35.2	4.4	0	54	288	4	500	5143	0	-36.0	4.5	0	61	272	4	500	5152	0	-36.0	
700	2719	0	-20.1	3.7	0	48	290	3	700	2728	0	-20.3	4.1	0	78	274	4	700	2739	0	-20.6	
850	1257	0	-13.3	2.2	0	28	290	2	850	1268	0	-13.4	2.7	0	72	272	3	850	1286	0	-14.3	
995	*	20	-9.8	1.9				999	*	24	-12.8	2.4					1003	*	10	-11.9		
ASIA - USSR MYS KAMENNYJ 23146 6828N 07336E OB 1																						
030	23240	10	-60.0	7.4		9	91	284	4	030	23362	0	-62.4	6.9	0	88	288	8	030	23560	20	-60.6
050	20081	7	-59.0	7.1	9	91	284	4	050	20197	0	-59.7	6.8	0	81	289	8	050	20351	15	-58.6	
100	15715	2	-54.4	6.1	9	84	285	5	100	15821	0	-54.8	6.5	0	85	291	9	100	15913	11	-55.2	
150	13119	1	-52.3	5.5	9	82	280	5	150	13214	0	-52.5	5.9	0	79	289	9	150	13309	10	-53.0	
200	11269	0	-51.8	4.7	9	78	277	5	200	11353	0	-52.0	5.2	0	79	292	11	200	11459	10	-53.1	
300	8653	0	-53.1	3.8	9	53	283	3	300	8735	0	-51.2	4.5	0	74	289	12	300	8836	10	-50.6	
500	5224	0	-32.8	5.1	9	70	272	5	500	5274	0	-30.9	5.1	0	74	287	8	500	5359	10	-28.2	
700	2778	0	-17.1	4.6	6	60	277	3	700	2809	0	-15.4	4.7	0	62	292	5	700	2866	10	-12.6	
850	1298	0	-9.4	2.9	3	44	285	2	850	1316	0	-6.8	2.6	0	49	290	4	850	1354	10	-4.5	
1000	*	32	-5.2	2.0				1002	*	7	-0.5	2.1					1004	*	35	0.6		
ASIA - USSR TURUHANSK 23472 6547N 08757E OB 1																						
030	23346	5	-59.9		6	93	271	7	030	23577	1	-60.8		2	94	284	8	030	23504	2	-60.3	
050	20163	1	-58.5		2	89	277	7	050	20380	0	-59.3		0	88	283	8	050	20305	0	-59.4	
100	15768	0	-54.7		0	85	281	7	100	16001	0	-56.1		0	82	287	9	100	15923	0	-56.0	
150	13167	0	-52.8		0	86	282	8	150	13420	0	-54.6		0	78	286	10	150	13335	0	-54.5	
200	11317	0	-53.2		0	81	282	9	200	11582	0	-55.1		0	72	287	12	200	11494	0	-54.6	
300	8717	0	-51.6		0	80	281	10	300	8968	0	-47.4		0	73	287	12	300	8880	0	-49.9	
500	5266	0	-31.3	4.5	0	86	278	7	500	5439	0	-24.9	6.6	0	68	285	9	500	5376	0	-27.4	
700	2811	0	-16.8	3.7	0	88	267	6	700	2923	0	-11.2	5.2	0	80	283	7	700	2877	0	-12.2	
850	1333	0	-9.5	2.2	0	71	258	4	850	1404	0	-3.3	3.1	0	74	279	5	850	1372	0	-4.4	
1000	*	32	-4.9	2.1				997	*	96	3.3	2.7					1005	*	40	1.3		
ASIA - USSR TURA 24507 6410N 10004E OB 1																						
030	23414	2	-57.8		1	86	265	8	030	23787	2	-51.5		2	96	249	10	030	23626	1	-52.3	
050	20198	1	-57.4		1	93	270	7	050	20484	1	-51.8		1	96	247	8	050	20329	0	-53.3	
100	15786	0	-54.3		0	87	278	7	100	15978	0	-50.4		0	87	244	6	100	15852	0	-52.6	
150	13181	0	-53.0		0	87	281	8	150	13329	0	-50.8		0	78	249	5	150	13230	0	-52.3	
200	11330	0	-53.2		0	81	281	9	200	11456	0	-52.0		0	70	256	5	200	11380	0	-54.1	
300	8733	0	-52.5		0	76	279	11	300	8841	0	-52.0		0	18	277	2	300	8801	0	-54.0	
500	5288	0	-31.8	4.1	0	84	276	8	500	5381	0	-29.5	7.7	0	12	296	1	500	5351	0	-30.1	
700	2841	0	-16.8	3.4	0	87	278	6	700	2895	0	-13.3	8.8	0	24	306	1	700	2872	0	-14.1	
850	1360	0	-9.9	2.3	0	78	272	5	850	1392	0	-6.5	5.8	0	12	343	1	850	1374	0	-6.8	
995	*	186	-5.3	4.0				1013	*	62	-2.8	2.5					986	*	207	-7.2		
ASIA - USSR KORF 25954 6021N 16600E OB 1																						
030	23717	1	-50.3	10.7	2	96	242	9	030	23624	4	-59.6		4	92	284	8	030	23583	1	-58.5	
050	20399	1	-51.6	9.5	1	88	242	7	050	20397	2	-59.3		2	94	285	8	050	20371	0	-59.0	
100	15911	0	-52.0	8.5	0	85	247	6	100	16042	0	-57.5		0	85	289	8	100	16011	0	-57.1	
150	13289	0	-52.7	7.6	0	85	249	6	150	13480	0	-56.6		0	81	291	9	150	13444	0	-56.6	
200	11441	0	-54.9	6.9	0	67	253	5	200	11660	0	-57.2		0	78	293	11	200	11621	0	-57.3	
300	8854	0	-52.7	6.6	0	30	279	3	300	9055	0	-48.2		0	74	289	11	300	9037	0	-49.7	
500	5388	0	-28.8	8.9	0	24	282	2	500	5508	0	-23.8	7.3	0	80	287	9	500	5509	0	-24.6	
700	2898	0	-12.5	9.3	0	61	272	1	700	2981	0	-9.3	7.3	0	74	287	6	700	2986	0	-9.7	
850	1393	0	-5.4	4.5	0	24	161	1	850	1459	0	-2.3	5.8	0	85	285	6	850	1468	0	-3.1	
1012	*	3	1.4	3.3				983	*	237	3.3	6.0					1009	*	94	3.0		
ASIA - USSR SVERDLOVSK 28440 5648N 06038E OB 1																						
030	23583	1	-58.5		8.9	1	92															
050	20371	0	-59.0		8.6	1	91															
100	16011	0	-57.1		7.8	0	84															
150	13444	0	-56.6		6.8	0	7															

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UPPER AIR

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
ASIA - USSR KUSTANAJ 28952 5313N 06337E OB 1																										
030 23702 12 -57.2 9 96 270 9 030 23517 7 -58.5 7 93 274 9 030 23631 4 -56.0 4 92 270 8 050 20481 10 -57.8 9 92 275 8 050 20313 5 -58.3 6 92 276 8 050 20406 3 -57.1 3 95 274 8 100 16123 5 -56.5 5 88 282 9 100 15939 2 -56.0 2 86 283 8 100 15987 1 -55.4 1 88 278 8 150 13550 4 -55.8 4 79 289 9 150 13361 0 -55.2 0 84 285 9 150 13407 0 -55.2 0 78 278 8 200 11743 3 -56.9 3 66 289 10 200 11542 0 -56.4 0 78 282 10 200 11584 0 -56.7 0 66 279 9 300 9134 3 -46.6 3 59 288 9 300 8949 0 -49.6 0 72 276 11 300 8997 0 -49.9 0 67 275 9 500 5565 3 -21.6 7.4 3 70 282 7 500 5439 0 -26.5 5.8 0 78 271 8 500 5479 0 -26.1 5.7 0 78 268 7 700 3013 3 -6.8 8.0 3 75 278 6 700 2935 0 -12.5 5.1 0 90 269 6 700 2973 0 -11.9 5.1 0 82 263 6 850 1480 3 -0.5 7.2 3 81 274 4 850 1431 0 -4.9 5.0 1 87 266 5 850 1467 0 -3.8 4.7 0 88 262 6 999 * 171 4.5 5.1 * 76 1.3 3.5 * 995 * 194 0.5 4.4																										
ASIA - USSR KOLPASEV 29231 5818N 08254E OB 1																										
030 23702 12 -57.2 9 96 270 9 030 23517 7 -58.5 7 93 274 9 030 23631 4 -56.0 4 92 270 8 050 20481 10 -57.8 9 92 275 8 050 20313 5 -58.3 6 92 276 8 050 20406 3 -57.1 3 95 274 8 100 16123 5 -56.5 5 88 282 9 100 15939 2 -56.0 2 86 283 8 100 15987 1 -55.4 1 88 278 8 150 13550 4 -55.8 4 79 289 9 150 13361 0 -55.2 0 84 285 9 150 13407 0 -55.2 0 78 278 8 200 11743 3 -56.9 3 66 289 10 200 11542 0 -56.4 0 78 282 10 200 11584 0 -56.7 0 66 279 9 300 9134 3 -46.6 3 59 288 9 300 8949 0 -49.6 0 72 276 11 300 8997 0 -49.9 0 67 275 9 500 5565 3 -21.6 7.4 3 70 282 7 500 5439 0 -26.5 5.8 0 78 271 8 500 5479 0 -26.1 5.7 0 78 268 7 700 3013 3 -6.8 8.0 3 75 278 6 700 2935 0 -12.5 5.1 0 90 269 6 700 2973 0 -11.9 5.1 0 82 263 6 850 1480 3 -0.5 7.2 3 81 274 4 850 1431 0 -4.9 5.0 1 87 266 5 850 1467 0 -3.8 4.7 0 88 262 6 999 * 171 4.5 5.1 * 76 1.3 3.5 * 995 * 194 0.5 4.4																										
ASIA - USSR KRASNOJARSK 29574 5600N 09253E OB 1																										
030 23702 12 -57.2 9 96 270 9 030 23517 7 -58.5 7 93 274 9 030 23631 4 -56.0 4 92 270 8 050 20481 10 -57.8 9 92 275 8 050 20313 5 -58.3 6 92 276 8 050 20406 3 -57.1 3 95 274 8 100 16123 5 -56.5 5 88 282 9 100 15939 2 -56.0 2 86 283 8 100 15987 1 -55.4 1 88 278 8 150 13550 4 -55.8 4 79 289 9 150 13361 0 -55.2 0 84 285 9 150 13407 0 -55.2 0 78 278 8 200 11743 3 -56.9 3 66 289 10 200 11542 0 -56.4 0 78 282 10 200 11584 0 -56.7 0 66 279 9 300 9134 3 -46.6 3 59 288 9 300 8949 0 -49.6 0 72 276 11 300 8997 0 -49.9 0 67 275 9 500 5565 3 -21.6 7.4 3 70 282 7 500 5439 0 -26.5 5.8 0 78 271 8 500 5479 0 -26.1 5.7 0 78 268 7 700 3013 3 -6.8 8.0 3 75 278 6 700 2935 0 -12.5 5.1 0 90 269 6 700 2973 0 -11.9 5.1 0 82 263 6 850 1480 3 -0.5 7.2 3 81 274 4 850 1431 0 -4.9 5.0 1 87 266 5 850 1467 0 -3.8 4.7 0 88 262 6 999 * 171 4.5 5.1 * 76 1.3 3.5 * 995 * 194 0.5 4.4																										
ASIA - USSR KIRENSK 30230 5746N 10807E OB 1																										
030 23660 2 -53.6 4 98 272 9 030 23677 7 -53.1 7 98 254 7 050 20397 1 -55.9 2 93 278 8 050 20398 4 -54.1 5 91 264 6 100 15836 21 -56.7 9 93 277 9 100 15931 1 -55.8 1 93 285 10 100 15931 1 -53.1 3 81 277 6 150 13267 21 -57.0 9 91 280 10 150 13413 0 -55.5 1 94 286 10 150 13312 1 -53.2 2 80 284 6 200 11457 21 -59.6 9 83 284 12 200 11588 0 -57.8 0 85 293 10 200 11467 1 -54.3 2 78 284 7 300 8894 21 -52.8 9 77 285 13 300 9020 0 -50.9 0 68 297 9 300 8868 1 -52.4 2 66 281 7 500 5419 21 -29.0 4.8 9 88 272 10 500 5511 0 -25.7 7.0 0 74 304 6 500 5395 1 -29.2 4.4 2 71 280 5 700 2945 21 -15.2 5.7 9 94 267 7 700 2994 0 -9.9 8.4 0 74 311 4 700 2913 1 -14.0 5.0 2 83 285 4 850 1455 21 -7.8 4.9 9 88 255 6 850 1473 0 -1.2 7.9 0 68 303 3 850 1421 1 -6.6 4.0 4 78 269 4 999 * 258 -3.4 3.9 * 685 1.6 5.8 * 934 * 682 -4.2 4.8																										
ASIA - USSR CITA 30758 5201N 11320E OB 1																										
030 23660 2 -53.6 4 98 272 9 030 23677 7 -53.1 7 98 254 7 050 20397 1 -55.9 2 93 278 8 050 20398 4 -54.1 5 91 264 6 100 15836 21 -56.7 9 93 277 9 100 15931 1 -55.8 1 93 285 10 100 15931 1 -53.1 3 81 277 6 150 13267 21 -57.0 9 91 280 10 150 13413 0 -55.5 1 94 286 10 150 13312 1 -53.2 2 80 284 6 200 11457 21 -59.6 9 83 284 12 200 11588 0 -57.8 0 85 293 10 200 11467 1 -54.3 2 78 284 7 300 8894 21 -52.8 9 77 285 13 300 9020 0 -50.9 0 68 297 9 300 8868 1 -52.4 2 66 281 7 500 5419 21 -29.0 4.8 9 88 272 10 500 5511 0 -25.7 7.0 0 74 304 6 500 5395 1 -29.2 4.4 2 71 280 5 700 2945 21 -15.2 5.7 9 94 267 7 700 2994 0 -9.9 8.4 0 74 311 4 700 2913 1 -14.0 5.0 2 83 285 4 850 1455 21 -7.8 4.9 9 88 255 6 850 1473 0 -1.2 7.9 0 68 303 3 850 1421 1 -6.6 4.0 4 78 269 4 999 * 258 -3.4 3.9 * 685 1.6 5.8 * 934 * 682 -4.2 4.8																										
ASIA - USSR ALDAN 31004 5837N 12522E OB 1																										
030 23660 2 -53.6 4 98 272 9 030 23677 7 -53.1 7 98 254 7 050 20397 1 -55.9 2 93 278 8 050 20398 4 -54.1 5 91 264 6 100 15836 21 -56.7 9 93 277 9 100 15931 1 -55.8 1 93 285 10 100 15931 1 -53.1 3 81 277 6 150 13267 21 -57.0 9 91 280 10 150 13413 0 -55.5 1 94 286 10 150 13312 1 -53.2 2 80 284 6 200 11457 21 -59.6 9 83 284 12 200 11588 0 -57.8 0 85 293 10 200 11467 1 -54.3 2 78 284 7 300 8894 21 -52.8 9 77 285 13 300 9020 0 -50.9 0 68 297 9 300 8868 1 -52.4 2 66 281 7 500 5419 21 -29.0 4.8 9 88 272 10 500 5511 0 -25.7 7.0 0 74 304 6 500 5395 1 -29.2 4.4 2 71 280 5 700 2945 21 -15.2 5.7 9 94 267 7 700 2994 0 -9.9 8.4 0 74 311 4 700 2913 1 -14.0 5.0 2 83 285 4 850 1455 21 -7.8 4.9 9 88 255 6 850 1473 0 -1.2 7.9 0 68 303 3 850 1421 1 -6.6 4.0 4 78 269 4 999 * 258 -3.4 3.9 * 685 1.6 5.8 * 934 * 682 -4.2 4.8																										
ASIA - USSR OHOTSK 31988 5922N 14312E OB 1																										
030 23660 0 -51.1 3 92 241 8 030 23893 3 -52.1 3 93 266 7 030 23795 1 -50.7 10.9 1 91 253 7 050 20361 0 -52.6 1 91 245 7 050 20616 2 -54.0 2 90 273 7 050 20495 0 -53.9 9.9 0 91 259 7 100 15886 0 -52.4 0 95 250 6 100 16151 2 -53.5 2 91 282 8 100 16038 0 -53.6 8.8 0 91 272 9 150 13270 0 -52.7 0 81 252 5 150 13530 2 -52.6 2 86 289 9 150 13427 0 -52.4 7.7 0 86 276 9 200 11422 0 -53.5 0 70 253 5 200 11670 1 -54.0 1 75 297 9 200 11567 0 -52.7 6.4 0 80 280 8 300 8837 0 -53.3 0 41 251 5 300 9041 1 -47.8 1 59 305 7 300 8961 0 -50.8 5.4 0 49 293 6 500 5372 0 -28.8 5.7 0 42 259 3 500 5496 0 -23.7 7.8 0 61 309 5 500 5453 0 -25.7 7.1 0 55 306 4 700 2886 0 -12.9 6.0 0 18 281 1 700 2964 0 -8.6 7.8 0 62 317 3 700 2934 0 -9.5 7.5 0 62 308 3 850 1380 0 -4.7 6.0 0 24 358 1 850 1437 0 -0.4 8.1 0 53 325 3 850 1412 0 -1.4 7.3 0 43 312 2 1009 * 6 -0.1 5.2 * 137 2.1 7.6 * 998 * 31 6.4 2.7 * 999 * 7 5.2 4.5																										
ASIA - USSR BLAGOVESEN SK 31510 5016N 12730E OB 1																										
030 23660 0 -51.1 3 92 241 8 030 23893 3 -52.1 3 93 266 7 030 23795 1 -50.7 10.9 1 91 253 7 050 20361 0 -52.6 1 91 245 7 050 20616 2 -54.0 2 90 273 7 050 20495 0 -53.9 9.9 0 91 259 7																										

ASIA-USSR

UPPER AIR

OCTOBER 1988

ASIA-PAKISTAN

UPPER AIR

OCTOBER 1988

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND				
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps
ASIA - PAKISTAN KARACHI AIRPORT 41780 2454N 06708E OB 2									ASIA - BANGLADESH BOGRA 41883 2451N 08922E OB 1									ASIA - INDIA SRINAGAR 42027 3405N 07450E OB 3										
030								030								030												
050								050								050												
100	16594	3	-76.1					100								100												
150	14199	2	-64.5					150								150												
200	12388	1	-51.9					200								200												
300	9628	0	-32.7					300								300												
500	5840	0	-5.9					500								500												
700	3131	0	10.2	25.4				700								700												
850	1486	0	21.6	23.0				850								850												
1000	* 22		31.8	16.9				1000								1000												
ASIA - INDIA NEW DELHI/SAFDARJUNG 42182 2835N 07712E OB 3									ASIA - INDIA JODHPUR 42339 2618N 07301E OB 3									ASIA - INDIA LUCKNOW/AMAUSI 42369 2645N 08053E OB 3										
030								030								030												
050								050								050												
100	16647	0	-72.2					100								100												
150	14203	0	-61.3					150								150												
200	12366	0	-49.2					200								200												
300	9602	0	-32.5					300								300												
500	5822	0	-7.9					500								500												
700	3123	0	8.4					700								700												
850	1486	0	19.7	15.7				850								850												
977	* 216		25.6	14.6				977								977												
ASIA - INDIA GAUHATI 42410 2606N 09135E OB 3									ASIA - INDIA AHMEDABAD 42647 2304N 07238E OB 3									ASIA - INDIA CALCUTTA/DUM DUM 42809 2239N 08827E OB 3										
030	24047	13	-51.2					030								030												
050	20805	7	-57.9					050								050												
100	16633	3	-75.9					100								100												
150	14248	0	-65.7					150								150												
200	12430	0	-51.5					200								200												
300	9665	0	-29.7					300								300												
500	5821	0	-5.5					500								500												
700	3111	0	9.3	11.4				700								700												
850	1475	0	19.0	8.4				850								850												
1000	* 54		25.5	2.9				1000								1000												
ASIA - INDIA NAGPUR SONEGAON 42867 2106N 07903E OB 3									ASIA - INDIA BHUBANESWAR 42971 2015N 08550E OB 3									ASIA - INDIA BOMBAY/SANTACRUZ 43003 1907N 07251E OB 3										
030								030								030												
050	20662	13	-63.3					050								050												
100	16667	6	-77.4					100								100												
150	14289	1	-64.1					150								150												
200	12484	0	-49.9					200								200												
300	9708	0	-27.6					300								300												
500	5864	0	-3.8					500								500												
700	3139	0	8.4	15.5				700								700												
850	1498	0	19.7	11.7				850								850												
973	* 310		23.5	6.4				973								973												
ASIA - INDIA HYDERABAD AIRPORT 43128 1727N 07828E OB 3									ASIA - INDIA CWC VISHAKHAPATNAM/WALTAIR 43150 1742N 08318E OB 3									ASIA - INDIA GOA/PANJIM 43192 1529N 07349E OB 3										
030								030								030												
050	20817	0	-55.8					050								050												
100	16693	0	-78.0					100								100												
150	14329	0	-64.5					150								150												
200	12500	0	-49.6					200								200												
300	9691	0	-28.7					300								300												
500	5865	0	-4.2					500								500												
700	3145	0	8.9	11.5				700								700												
850	1513	0	19.4	11.2				850								850												
951	* 545		25.4	9.2				951								951												

ASIA-INDIA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps		
ASIA - INDIA MADRAS/MINAMBAKKAM 43279 1300N 08011E 0B 3								ASIA - INDIA PANAMBUR 43285 1257N 07450E 0B 3								ASIA - INDIA PORT BLAIR 43333 1140N 09243E 0B 3												
030								030	24078	6	-53.4					030	16596	10	-76.9									
050								050	20850	1	-61.5					050	14258	2	-66.9									
100	16778	6	-77.1		9	93	92	15	100	16732	1	-78.0				100	16296	10	-76.9									
150	14374	0	-63.3		4	89	111	14	150	14351	1	-65.5				150	14258	0	-51.8									
200	12545	0	-48.5		4	79	112	9	200	12548	0	-49.9				200	12458	0	-29.3									
300	9754	0	-27.8		4	60	100	4	300	9755	0	-27.5				300	9689	0	-5.1									
500	5871	0	-2.8	14.2	1	19	33	1	500	5877	0	-2.6				500	5840	0	9.3									
700	3139	0	10.8	9.2	0	69	313	4	700	3140	0	10.1	8.2		0	700	3121	0	8.7	9.8								
850	1491	0	20.1	8.6	0	67	353	4	850	1493	0	20.2	7.8	0	60	850	1486	0	17.5	5.7	0							
1006	*	16	27.7	4.5				1006	1005	*	31	26.6	2.9			1006	999	*	79	25.5	2.2							
ASIA - INDIA COCHIN/WILLINGDON 43353 0957N 07616E 0B 3								ASIA - INDIA MINICOY 43369 0818N 07309E 0B 3								ASIA - INDIA TRIVANDRUM 43371 0829N 07657E 0B 3												
030								030								030	24233	3	-49.8									
050								050								050	20885	1	-59.2									
100	16682	10	-74.9					100								100	16718	0	-74.9									
150	14255	3	-66.4					150	14224	1	-68.8					150	14329	0	-65.9									
200	12472	0	-51.8					200	12448	1	-53.1					200	12525	0	-50.7									
300	9706	0	-29.1					300	9714	1	-30.1					300	9752	0	-28.5									
500	5852	0	-3.9	12.7				500	5870	0	-4.3					500	5878	0	-3.0									
700	3131	0	9.6	8.9				700	3145	0	10.5	15.7	0	69	347	4	700	3139	0	11.0	14.1	0	81	297	5			
850	1493	0	18.6	6.5				850	1500	0	18.8	7.5	0	64	251	3	850	1495	0	19.4	6.9	0	66	335	3			
1009	*	3	27.3	3.6				1009	*	2	27.9	4.7				1009	*	64	27.1	3.7								
ASIA - HONG KONG KING'S PARK 45004 2219N 11410E 0B 1								ASIA - REPUBLIC OF KOREA POHANG 47138 3602N 12923E 0B 3								ASIA - JAPAN WAKKANAI 47401 4525N 14141E 0B 2												
030	23903	1	-53.8	30.1	1	99	88	13	030	24005	23	-52.1	10.5	9	30	36	2	030	23831	7	-50.9							
050	20700	1	-64.4	24.6	0	98	89	10	050	20715	18	-59.2	9.3	9	48	272	4	050	20516	0	-54.6							
100	16687	0	-80.9	13.0	0	81	100	8	100	16451	1	-68.2	8.0	6	92	259	25	100	16090	0	-54.7							
150	14317	0	-64.9	14.4	0	44	107	4	150	13982	0	-60.7	9.0	1	95	263	40	150	13487	0	-52.6							
200	12504	0	-50.5	15.3	0	25	131	3	200	12147	0	-50.5	10.1	1	94	267	44	200	11624	0	-51.6							
300	9731	0	-28.7	16.4	0	31	133	3	300	9423	0	-36.3	10.2	0	95	272	40	300	8991	0	-48.6							
500	5881	0	-4.1	8.4	0	51	115	4	500	5715	0	-13.8	11.8	0	92	280	21	500	5473	0	-24.8	11.3	0	70	279	11		
700	3148	0	10.9	9.1	0	69	100	6	700	3087	0	0.4	15.6	0	84	303	8	700	2942	0	-8.3	9.2	0	58	285	7		
850	1506	0	16.4	3.2	0	83	77	8	850	1511	0	6.8	10.6	0	60	335	5	850	1411	0	0.3	8.0	0	45	294	5		
1005	*	66	23.1	4.5				1005	*	6	15.9	7.0				1005	*	11	10.0	6.5								
ASIA - JAPAN SAPPORO 47412 4303N 14120E 0B 2								ASIA - JAPAN NEMURO 47420 4320N 14535E 0B 2								ASIA - JAPAN AKITA 47582 3943N 14006E 0B 2												
030	23825	4	-51.4		6	88	252	7	030	23879	4	-50.8		4	76	246	5	030	23885	1	-52.1			2	41	253	3	
050	20545	0	-55.4		2	94	259	12	050	20577	0	-55.0			0	92	252	10	050	20604	0	-57.1			1	93	264	10
100	16151	0	-56.6		0	97	268	26	100	16168	0	-56.2			0	96	261	24	100	16270	0	-60.2			0	98	270	32
150	13569	0	-53.8		0	96	267	33	150	13579	0	-53.1			0	95	264	32	150	13729	0	-56.5			0	97	270	44
200	11709	0	-51.0		0	94	268	34	200	11716	0	-50.7		1	94	263	34	200	11881	0	-50.9			0	96	269	46	
300	9057	0	-46.7		0	89	269	28	300	9062	0	-46.0		0	88	260	31	300	9200	0	-42.5			0	91	268	38	
500	5508	0	-23.3	13.4	0	77	278	16	500	5501	0	-22.7	13.5	0	79	264	15	500	5592	0	-19.5	14.1	0	90	275	21		
700	2966	0	-7.3	12.2	0	72	290	10	700	2956	0	-7.4	13.5	2	73	286	9	700	3018	0	-4.7	12.8	0	85	276	12		
850	1429	0	1.0	5.6	0	53	285	6	850	1419	0	1.5	8.1	0	61	286	6	850	1467	0	3.7	7.9	0	74	270	8		
1010	*	19	10.2	5.9				1010	*	26	10.1	4.9				1010	*	10	11.9	3.8								
ASIA - JAPAN SENDAI 47590 3816N 14054E 0B 2								ASIA - JAPAN WAJIMA 47600 3723N 13654E 0B 2								ASIA - JAPAN TATENO 47646 3603N 14008E 0B 2												
030	23900	0	-52.5		1	29	274	2	030	23889	2	-52.8		2	47	264	3	030	23876	0	-53.9			1	33	288	2	
050	20633	0	-58.2		0	94	261	9	050	20641	0	-59.0		0	92	267	10	050	20635	0	-60.4			0	95	263	9	
100	16339	0	-62.6		0	97	268	32	100	16379	0	-64.8		0	98	273	33	100	16410	0	-67.4			0	98	268	30	
150	13811	0	-57.0		0	98	270	50	150	13872	0	-58.0		0	98	274	49	150	13930	0	-60.2			0	98	272	49	
200	11966	0	-51.1		0	96	269	53	200	12027	0	-50.5		0	96	274	55	200	12100	0	-51.2			0	96	270	53	
300	9273	0	-40.4		0	92	265	41	300	9317	0	-38.6		0</														

ASIA-JAPAN

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps			
ASIA - JAPAN																													
HACHIJOGIMA/OMURE								YONAGO								SHIONOMISAKI								NAZE/FUNCHATOGE					
47678 3307N 13947E OB 2								47744 3526N 13321E OB 2								47778 3327N 13546E OB 2								47807 3335N 13023E OB 2					
030	23912	4	-54.4		6	18	72	1	030	23917	0	-52.9		0	48	279	3	030	23903	4	-53.8		6	20	73	1			
050	20685	1	-61.4		2	80	262	5	050	20672	0	-59.8		0	92	277	8	050	20676	2	-61.0		2	80	272	5			
100	16527	0	-71.8		0	98	271	28	100	16458	0	-68.7		0	98	274	29	100	16509	1	-72.4		1	98	274	29			
150	14091	0	-62.8		0	97	275	45	150	13996	0	-60.8		0	98	275	45	150	14080	0	-62.9		0	98	274	44			
200	12272	0	-51.1		0	96	271	46	200	12166	0	-50.7		0	96	274	47	200	12263	0	-51.2		0	96	273	46			
300	9528	0	-32.5	14.4	0	96	272	42	300	9437	0	-35.3	12.1	0	97	276	42	300	9522	0	-33.1	13.3	0	96	274	41			
500	5764	0	-9.9	13.8	0	94	267	24	500	5717	0	-13.1	15.6	0	93	275	23	500	5765	0	-10.5	13.7	0	93	270	23			
700	3094	0	4.3	17.9	0	77	270	10	700	3083	0	1.2	21.2	0	87	297	9	700	3098	0	4.2	18.3	0	81	274	10			
850	1495	1	10.7	5.3	1	36	306	4	850	1504	0	7.3	9.7	0	41	316	3	850	1501	0	10.5	9.2	0	35	294	2			
996	*	153	18.4	4.0					1016	*	8	15.8	4.4					1007	*	75	18.1	4.6							
ASIA - JAPAN								ASIA - JAPAN								ASIA - JAPAN								NAZE/FUNCHATOGE					
47807 3335N 13023E OB 2								47827 3138N 13035E OB 2								47909 2823N 12933E OB 2								47918 2420N 12410E OB 2					
030	23902	2	-54.0		2	7	14	1	030	23934	0	-53.8		0	38	74	2	030	23928	2	-53.9		2	75	83	6			
050	20679	2	-62.1		2	88	291	5	050	20715	0	-61.9		0	55	299	3	050	20712	0	-62.7		1	53	62	3			
100	16528	0	-73.1		0	99	277	30	100	16588	0	-74.6		1	98	277	24	100	16635	0	-77.9		0	94	279	13			
150	14099	0	-62.8		0	98	276	42	150	14175	0	-63.5		0	97	277	34	150	14248	0	-64.8		0	94	281	20			
200	12281	0	-51.2		0	97	275	46	200	12359	0	-51.1		0	96	276	36	200	12440	0	-51.6		0	92	276	20			
300	9537	0	-32.9	12.8	0	98	278	43	300	9608	0	-31.3	14.8	0	98	278	34	300	9686	0	-30.5	15.0	0	92	276	19			
500	5774	0	-10.2	13.7	0	96	276	23	500	5815	0	-8.3	15.0	0	96	274	19	500	5857	0	-5.3	15.2	0	89	280	11			
700	3105	0	4.3	21.5	0	81	283	9	700	3123	0	7.1	19.1	0	81	284	9	700	3142	0	9.8	20.2	0	47	283	4			
850	1509	0	9.4	10.3	0	41	336	3	850	1511	0	12.1	11.1	0	13	297	1	850	1515	0	14.4	7.1	0	49	46	4			
1015	*	14	18.3	6.1					983	*	283	18.0	5.4					980	*	295	20.9	3.3							
ASIA - JAPAN								ASIA - JAPAN								ASIA - JAPAN								MINAMIDAITOJIMA					
ISHIGAKIJIMA								NAHA								47945 2550N 13114E OB 2								47918 2420N 12410E OB 2					
030	23906	3	-54.5		3	93	85	9	030	23913	6	-54.2		6	86	88	7	030	23914	1	-54.1		1	93	88	8			
050	20702	2	-63.5		2	94	85	7	050	20702	4	-64.1		4	87	81	5	050	20699	1	-63.2		1	82	80	5			
100	16687	0	-79.8		0	25	351	2	100	16662	0	-79.3		0	71	290	7	100	16653	0	-79.2		0	68	297	6			
150	14311	0	-64.8		0	33	305	3	150	14285	0	-65.0		0	70	287	10	150	14273	0	-64.7		0	81	288	11			
200	12499	0	-51.0		0	40	284	5	200	12476	0	-51.4		0	78	280	12	200	12464	0	-51.6		0	77	274	13			
300	9734	0	-29.1	14.6	0	34	297	3	300	9715	0	-29.6	14.7	0	75	286	10	300	9707	0	-30.0	14.2	0	71	274	10			
500	5886	0	-3.6	14.0	0	25	324	2	500	5876	0	-4.1	14.3	0	72	291	7	500	5871	0	-4.1	14.0	0	59	256	6			
700	3152	0	10.9	9.3	0	49	34	3	700	3148	0	10.1	12.5	0	30	18	2	700	3144	0	10.2	12.0	0	34	243	3			
850	1514	0	15.9	3.5	0	87	56	9	850	1514	0	15.5	4.3	0	76	55	6	850	1507	0	16.3	3.3	0	45	65	4			
1012	*	7	25.2	4.7					1010	*	27	24.6	5.5					1010	*	15	24.9	3.7							
ASIA - JAPAN								ASIA - JAPAN								ASIA - THAILAND								CHIANG MAI					
CHICHIJIMA								47991 2418N 15358E OB 2								48327 1847N 09859E OB 1								47918 2420N 12410E OB 2					
030	23917	13	-53.9		5	47	88	3	030	23900	2	-54.1		2	98	80	11	030	23798	6	-58.0		6	95	90	10			
050	20702	3	-62.3		2	90	85	10	050	20695	1	-63.7		1	94	94	8	050	20632	2	-65.1		2	12	155	1			
100	16632	0	-78.3		0	80	288	17	100	16633	0	-77.7		0	53	24	5	100	16582	9	-80.1		9	87	110	15			
150	14249	0	-64.9		0	89	293	17	150	14250	0	-65.8		0	54	359	7	150	14220	7	-68.1		9	77	120	12			
200	12443	0	-52.2		0	91	287	19	200	12453	0	-53.0		0	27	327	3	200	12430	5	-55.6		6	57	130	6			
300	96																												

ASIA-CHINA

UPPER AIR

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LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
mb	gpm	%	°C	°C	%	o	mps	mb	gpm	%	°C	°C	%	o	mps	mb	gpm	%	°C	°C	%	o	mps	%	o				
ASIA - CHINA HAILAR 50527 4913N 11945E OB 1									ASIA - CHINA URUMQI 51463 4347N 08737E OB 1									ASIA - CHINA LANZHOU 52889 3603N 10353E OB 1											
030	23774	4	-52.9	8.1	6	94	271	8	030	23861	6	-53.6	9.8	8	100	267	8	030	23908	5	-55.3				6	67	299	2	
050	20500	3	-54.9	7.7	4	94	283	8	050	20610	1	-57.6	8.9	1	94	271	8	050	20697	4	-61.7					4	100	273	4
100	16074	2	-55.1	7.3	3	95	286	11	100	16255	0	-58.6	8.0	0	100	265	12	100	16529	2	-70.2					3	93	272	14
150	13486	2	-55.0	6.8	3	96	289	12	150	13693	0	-56.0	8.3	0	100	267	13	150	14071	2	-60.9	9.0	2	100	264	24			
200	11651	1	-56.7	6.0	2	88	293	11	200	11861	0	-55.8	8.1	0	100	266	13	200	12240	2	-50.3	7.9	2	100	263	27			
300	9060	0	-50.1	5.9	1	71	304	9	300	9254	0	-47.4	8.1	0	90	270	9	300	9507	0	-36.3	6.4	0	97	259	19			
500	5531	0	-24.3	6.9	1	75	311	6	500	5677	0	-20.6	10.3	0	92	286	6	500	5778	0	-11.3	6.8	0	91	266	5			
700	2997	0	-8.7	6.5	1	82	306	5	700	3104	0	-4.1	9.6	0	33	305	1	700	3133	0	0.4	5.1	0	20	45	1			
850	1466	0	0.1	6.8	2	57	314	2	850	1547	0	4.1	8.0	0	20	49	1	850	*1518	7.0	3.4				4	0	45	0	
945	* 611		-1.9	3.3				918	* 919		3.8	5.5																	
ASIA - CHINA BEIJING 54511 3956N 11617E OB 1									ASIA - CHINA LHASA 55591 2940N 09108E OB 1									ASIA - CHINA KUNMING 56778 2501N 10241E OB 1											
030	23889	4	-54.1		4	95	278	5	030	23964	8	-55.6		8	100	72	4	030	23905	9	-55.5				9	100	81	6	
050	20652	3	-59.8		3	98	285	7	050	20758	5	-63.1		6	75	65	2	050	20724	8	-65.7				8	88	94	4	
100	16385	1	-64.1	6.9	1	99	278	18	100	16680	2	-74.7		3	95	242	10	100	16717	5	-78.9				5	57	201	2	
150	13875	0	-58.0	8.7	0	98	278	26	150	14250	0	-61.3	11.3	2	97	243	16	150	14323	3	-63.6				6	67	238	3	
200	12034	0	-51.1	9.1	0	98	278	29	200	12409	0	-48.6	14.0	0	97	240	17	200	12504	2	-50.2	8.5	2	200	254	3			
300	9347	0	-41.9	9.0	0	98	279	20	300	9628	0	-29.6	16.9	0	96	247	14	300	9730	2	-28.9	10.0	2	200	244	4			
500	5705	0	-17.5	11.8	0	89	287	9	500	5821	0	-7.2	8.6	0	100	215	4	500	5875	0	-3.2	9.6	0	75	233	3			
700	3107	0	-2.4	11.9	0	80	310	4	700	* 3650		2.8	1.0					700	3152	0	7.9	2.1	0	25	193	1			
850	1536	0	7.6	12.3	0	67	316	3	850									850	* 1892		13.6	2.1							
1015	* 55		9.7	5.3																									
ASIA - CHINA SHANGHAI 58367 3110N 12126E OB 1									ASIA - CHINA TAIBEI 58968 2502N 12131E OB 3									ASIA - CHINA GUANGZHOU 59287 2308N 11319E OB 1											
030	23924	7	-56.3		9	54	66	2	030	23935	8	-53.5		8	96	89	10	030	23927	7	-56.5				8	100	84	7	
050	20742	2	-64.9		3	48	321	1	050	20709	5	-62.5		6	25	84	9	050	20758	4	-67.3				5	100	87	5	
100	16677	1	-75.2		1	99	279	11	100	16660	1	-80.1		3	28	332	2	100	16770	2	-78.6				3	88	97	4	
150	14254	0	-62.5	9.7	0	99	277	15	150	14288	0	-65.3		1	57	297	6	150	14367	1	-62.9				1	22	108	1	
200	12424	0	-50.0	10.7	0	99	279	15	200	12481	0	-51.5		0	57	280	6	200	12537	1	-49.3	8.2	1	20	153	2			
300	9657	0	-30.5	11.8	0	98	276	14	300	9720	0	-29.7	11.3	0	55	276	6	300	9753	0	-28.2	9.1	0	20	139	1			
500	5841	0	-7.1	10.7	0	96	274	8	500	5881	0	-4.5	9.5	0	47	275	3	500	5891	0	-3.5	6.8	0	43	128	2			
700	3143	0	6.9	17.1	0	73	291	3	700	3153	0	10.2	6.6	0	45	78	3	700	3154	0	10.7	5.2	0	63	100	3			
850	1535	0	10.1	11.3	0	61	24	2	850	1517	0	14.6	1.8	0	92	86	11	850	1514	0	16.1	3.7	0	78	77	4			
1019	* 7	18.0	4.5					1013	* 9	23.2	2.9						1013	* 8	22.2	4.7									
AFRICA - MADEIRA FUNCHAL 08522 3238N 01654W OB 3									AFRICA - ALGERIA DAR-EL-BEIDA 60390 3643N 00315E OB 3									AFRICA - ALGERIA BECHAR 60571 3137N 00214W OB 3											
030	23920	4	-53.6		4	32	154	2	030									030	23920	17	-53.7								
050	20690	3	-58.3		3	24	226	2	050									050	20686	9	-59.6								
100	16310	1	-66.8		1	78	284	11	100									100	16418	3	-65.6								
150	13950	0	-63.3		0	70	297	15	150	13884	7	-59.4		9	85	260	13	150	13945	0	-63.1				9	89	270	20	
200	12160	0	-57.2		0	68	295	18	200	12092	4	-59.3		9	77	250	14	200	12158	0	-57.5				9	73	270	22	
300	9490	0	-38.2	13.0	0	64	291	15	300	9406	4	-41.7		9	79	240	12	300	9507	0	-40.3	6			6	75	270	18	
500	5780	0	-11.8	16.4	0	54	292	9	500	5795	3	-13.5	15.3	9	73	230	9	500	5814	0	-11.8	18.7	4	66	250	11			
700	3120	0	4.6	20.0	0	47	291	5	700	3151	3	4.4	14.4	9	69	220	7	700	3154	0	5.2	15.4	1	55	6				
850	1517	0	10.9	6.6	0	71	324	3	850	1540	3	15.2	15.1	9	67	230	5	850	1536	0	17.5	18.7	1	49	170	3			
1010	* 56	20.5	5.1					1013	* 25	23.0	9.5							925	* 773	22.1	18.3								
AFRICA - ALGERIA TAMANRASSET 60680 2247N 00531E OB 1									AFRICA - NIGER NIAMEY-AERO 61052 1329N 00210E OB 3									AFRICA - MALI BAMAKO/SENOU 61291 1232N 00757W OB 3											
030									030																				

AFRICA-MAURITANIA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	
AFRICA - MAURITANIA NOUADHIBOU 61415 2056N 01702W OB 2																											
030	20692	7	-61.4		9	73	104	5	030	16602	13	-76.9					030	16545	18	-78.9	13.6						
050	16560	4	-73.3		9	87	284	9	050	14225	7	-68.1					050	14192	10	-68.3	11.6	0	88	60	13		
100									100	12440	6	-54.2					100	12409	7	-54.2	10.2	7	77	63	8		
150	12380	5	-55.4		9	72	282	14	150	9709	3	-32.0	15.3				150	9674	3	-31.2	8.5	3	75	74	4		
200	9672	4	-34.7	15.5	6	74	281	11	200	5897	2	-5.7	16.4				200	5855	2	-5.7	10.1	3	45	92	2		
300	5889	5	-6.9	22.5	5	47	262	3	300	700	2	9.0	9.5				300	700	2	9.2	5.5	2	62	135	3		
500	3191	5	8.8	17.8	4	42	217	3	500	1556	0	22.2	16.6				500	1499	2	17.3	4.0	2	36	137	2		
700	1549	4	21.6	22.1	4	7	350	1	700	1009	*	24	28.0	6.0			700	1009	*	23.5	2.5						
1015	*	3	22.8	5.0					1000								1000										
AFRICA - FRANCE (OCEAN ISLANDS) MARTIN DE VIVIES(ILE AMST.) 61996 3748S 07732E OB 2																											
030	23992	18	-52.2						030	20603	4	-45.7					030	20610	27	-65.7							
050	20707	4	-55.3						050	16024	1	-47.5					050	16566	4	-80.0							
100	16329	0	-58.0						100	13351	1	-48.1					100	14212	3	-65.0							
150	13754	0	-53.9						150	11459	1	-49.7					150	12420	3	-53.2	18.3						
200	11902	0	-52.8						200	8809	1	-48.0					200	9680	3	-31.3	22.4						
300	9241	0	-42.1	11.1					300	5299	1	-27.2	11.9				300	5864	2	-6.6	23.0						
500	5615	0	-18.4	11.8	4	82	272	20	500	2795	1	-11.8	13.4				500	3156	2	10.3	10.1						
700	3028	0	-3.0	13.8	0	88	275	19	700	1288	1	-4.4	5.4				700	772	*	2325	20.8	13.6					
850	1471	0	2.8	6.2	0	87	278	14	850	995	*	30	4.8	5.8			850	*	4	28.4	4.1						
1011	*	29	13.1	4.2					1000								1000		*	4	28.4	4.1					
AFRICA - ETHIOPIA ADDIS ABABA 63450 0859N 03848E OB																											
030	23682	24	-60.5						030	23682	24	-60.5					030	23762	4	-60.1		9	92	94	12		
050	20703	12	-64.9						050	20616	16	-66.7					050	20621	2	-66.1		7	96	272	11		
100	16601	4	-78.7						100	16540	10	-81.1					100	16560	2	-79.8		3	75	97	6		
150	14599	4	-67.5						150	14209	7	-68.3					150	14205	2	-66.8		2	48	61	5		
200	12428	3	-53.7	20.3					200	12418	4	-52.9					200	12409	2	-53.1		2	37	58	4		
300	9690	3	-31.0	24.4					300	9670	4	-30.3	17.3				300	9669	2	-21.4	22.1	2	28	6	2		
500	5865	3	-6.1	15.9					500	5843	4	-5.9	12.7				500	5848	1	-5.0	15.7	2	48	101	3		
700	3146	3	10.8	8.2					700	3136	5	8.6	3.0				700	3135	1	9.3	10.2	2	43	211	3		
766	*	324	20.4	12.1					766	*	1798	15.0	5.3				766	1499	1	17.4	4.8	1	42	195	2		
AFRICA - CENTRAL AFRICAN REPUBLIC BANGUI 64650 0424N 01831E OB 3																											
030	23829	14	-57.7						030	23870	4	-56.0					030	23894	6	-55.6							
050	20656	11	-65.1						050	20663	2	-62.0					050	20690	5	-63.9							
100	16577	11	-76.5						100	16577	11	-76.5					100	16589	2	-75.0							
150	14186	10	-65.5						150	14186	10	-65.5					150	14181	1	-63.9							
200	12390	10	-53.9						200	12390	10	-53.9					200	12372	0	-53.0	15.2						
300	9667	10	-33.1	13.1					300	9667	10	-33.1	13.1				300	9646	0	-34.0	13.7						
500	5874	10	-6.5	18.5					500	5874	10	-6.5	18.5				500	5873	0	-8.0	15.0						
700	3168	10	10.0	9.8					700	3168	10	10.0	9.8				700	3170	0	17.4	12.9						
850	1511	10	25.0	17.6					850	1511	10	25.0	17.6				850	1524	0	18.4	9.2						
969	*	366	24.9	3.1					969	*	1280	28.0	18.7				969	*	1344	18.2	5.9						
AFRICA - SOUTH AFRICA PIETERSBURG 68174 2352S 02927E OB 1																											
030	23870	4	-56.0						030	23870	4	-56.0					030	23886	2	-55.7		3	99	92	12		
050	20663	2	-62.0						050	20663	2	-62.0					050	20669	0	-61.2		1	47	91	4		
100	16503	0	-71.4						100	16503	0	-71.4					100	16470	0	-68.2		0	92	284	16		
150	14060	0	-61.9						150	14060	0	-61.9					150	13994	0	-60.3		0	94	279	30		
200	12248	0	-54.0						200	12248	0	-54.0					200	12176	0	-54.1		0	95	277	33		
300	9558	0	-37.6	11.9					300	9558	0	-37.6	11.9				300	9494	0	-38.7	13.5	0	93	279	26		
500	5828	0	-10.1	16.8					500	5828	0	-10.1	16.8				500	5794	0	-12.0	18.1	0	92	285	19		
700	3150	0	7.4	10.7					700	3150	0	7.4	10.7				700	3129	0	6.5	19.1	0	59	275	6		
850	1525	12	13.1	4.5					850	1525	12	13.1	4.5				850	1508	0	16.0	17.2	0	18	181	1		
881	*	1200	15.5	4.4	7	72	55	4	850	*	1500	14	14.0	5.4	2	52	81	2	919	*	800	15	13.5				

AFRICA-SOUTH AFRICA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	9pm	°C	°C	mb	9pm	°C	°C	mps	mb	9pm	°C	°C	mb	9pm	°C	°C	mps	mb	9pm	°C	°C	mb	9pm	°C	°C	
																										mps
AFRICA - SOUTH AFRICA BLOEMFONTEIN (J.B.M. HERTZOG) 68442 29065 02618E OB 1								AFRICA - SOUTH AFRICA DURBAN (LOUIS BOTHAI) 68588 29585 03057E OB 1								AFRICA - SOUTH AFRICA CAPE TOWN (D.F. MALANI) 68816 33595 01836E OB 1										
030	23920	4	-55.0		7	98	101	13	030	23879	4	-55.8		5	95	91	10	030	23908	5	-54.2		7	96	99	14
050	20694	1	-60.5		1	80	101	5	050	20664	4	-60.8		4	17	24	1	050	20665	0	-58.3		0	5	325	1
100	16482	0	-68.1		0	93	286	16	100	16445	3	-67.7		3	97	282	19	100	16364	0	-62.0		0	97	280	26
150	13999	0	-59.8		0	96	284	32	150	13961	3	-59.8		3	95	278	29	150	13835	0	-57.1		0	96	278	43
200	12179	0	-54.1		0	96	283	36	200	12146	3	-54.7		3	95	277	31	200	12004	0	-54.5		0	92	276	41
300	9499	0	-38.9	10.4	0	91	288	27	300	9478	2	-39.6	8.8	2	89	281	25	300	9354	0	-42.1	11.6	0	81	278	33
500	5795	0	-11.9	15.1	0	92	286	19	500	5781	2	-12.5	13.9	2	91	280	17	500	5704	0	-16.0	17.9	0	77	276	20
700	3132	0	5.9	14.6	0	82	304	9	700	3128	2	4.5	5.8	2	78	305	7	700	3087	0	0.6	21.8	0	72	273	10
850	1515	0	13.4	7.9	0	20	73	1	850	1519	2	12.2	6.3	2	18	248	2	850	1507	0	7.7	14.2	0	43	285	3
867	*1400	10.2	4.5					1015	*	8	19.0	2.6					1013	*	42	12.1	2.5					
AFRICA - SOUTH AFRICA PORT ELIZABETH 68842 33595 02536E OB 1								AFRICA - SOUTH AFRICA GOUGH ISLAND 68906 40215 00953W OB 1								AFRICA - SOUTH AFRICA MARION ISLAND 68994 46535 03752E OB 1										
030	23956	11	-53.9		9	65	83	5	030	23849	0	-57.8		0	95	274	26	030	20539	8	-49.3		9	95	282	24
050	20708	5	-57.7		5	63	290	4	050	20650	0	-56.0		0	93	269	31	100	16017	1	-50.5		3	94	278	34
100	16396	2	-62.7		2	90	287	18	100	16249	0	-57.8		0	91	257	13	150	13376	1	-50.2		1	93	278	38
150	13866	0	-57.2		1	94	286	26	150	13685	0	-56.0		0	91	268	34	200	11502	1	-51.4		1	91	280	40
200	12033	0	-54.3		0	95	286	29	200	11858	0	-56.2		0	91	268	34	300	8859	1	-47.5	15.4	1	87	276	33
300	9378	0	-41.8	11.7	0	86	290	23	300	9231	0	-44.7	12.3	0	86	270	27	500	5343	1	-26.6	11.4	1	89	276	24
500	5721	0	-15.2	15.0	0	85	288	16	500	5631	0	-19.4	16.4	0	87	268	20	700	2836	1	-11.1	8.8	1	91	281	17
700	3097	0	1.2	12.2	0	82	293	11	700	3052	0	-4.3	13.5	0	76	264	13	850	1325	1	-3.9	3.5	1	82	279	10
850	1511	0	9.0	8.2	0	50	278	4	850	1501	0	2.5	9.6	0	69	266	9	1010	*	22	3.6	2.0				
1010	* 60	.14.8	2.6					1015	*	54	9.2	2.1					1000	*	5	-5.6	4.5					
N AMERICA - USA BARROW/W. POST W. ROGERS, AK. 70026 7118N 15647W OB 2								N AMERICA - USA BARTER ISLAND, AK. 70086 7008N 14338W OB 2								N AMERICA - USA KOTZEBUE, RALPH WIEN, AK. 70133 6652N 16238W OB 1										
030	23482	9	-58.8		9	95	276	18	030	23650	10	-53.9		9	96	261	18	050	20371	9	-53.6		9	96	254	15
050	20229	9	-56.0		9	96	267	14	050	20260	4	-56.6		4	94	264	15	100	15897	3	-51.6		4	92	249	11
100	15785	1	-53.2		1	93	257	11	100	15819	1	-52.8		1	91	257	13	150	13257	2	-51.2		4	87	248	9
150	13173	0	-52.8		0	82	258	9	150	13196	1	-51.7		1	83	251	11	200	11389	2	-51.7		6	74	251	7
200	11315	0	-53.4		1	63	273	7	200	11330	1	-51.7		1	75	259	11	300	8773	1	-52.6		5	16	239	12
300	8733	0	-55.9		1	31	311	5	300	8718	0	-53.9		0	46	271	8	500	5329	0	-31.0	10.4	1	20	347	2
500	5320	0	-33.0	7.6	0	26	338	3	500	5292	0	-32.9	7.6	0	18	320	2	200	11471	3	-51.5		3	87	238	13
700	2872	0	-17.7	8.0	0	34	51	3	700	2848	0	-18.1	6.4	0	11	38	1	700	2859	0	-15.0	10.3	1	29	36	2
850	1399	0	-11.6	8.8	1	36	78	3	850	1379	0	-12.7	5.4	0	18	117	2	850	1373	0	-9.5	6.3	1	43	88	3
1018	* 4	-16.5	1.9					1015	*	15	-12.1	1.8					1013	*	5	-5.6	4.5					
N AMERICA - USA NOME, AK. 70200 6430N 16526W OB 2								N AMERICA - USA BETHEL/BETHEL AIRPORT, AK. 70219 6047N 16148W OB 2								N AMERICA - USA ANCHORAGE/INTL, AK. 70273 6110N 15001W OB 2										
030	23633	6	-54.4		7	96	264	16	030	23733	6	-53.6		7	94	265	13	030	23699	11	-55.5		9	94	279	14
050	20357	6	-53.9		6	95	257	13	050	20443	5	-53.1		5	95	255	12	050	20438	7	-54.5		7	93	262	13
100	15886	3	-51.9		3	93	250	11	100	15956	1	-51.5		1	92	248	11	100	15971	3	-51.8		3	93	245	13
150	13257	3	-51.8		3	92	256	9	150	13319	0	-51.1		0	90	254	10	150	13341	3	-51.4		3	92	244	13
200	11393	3	-52.2		3	80	263	8	200	11449	0	-51.7		0	81	252	9	200	11471	3	-51.5		3	87	238	13
300	8780	2	-51.9	9.3	0	39	329	5	300	8830	0	-50.7		0	48	267	6	300	8846	3	-50.5		3	69	224	12
500	5323	0	-30.2	9.3	0	39	329	5	500	5347	0	-28.5	8.2	0	37	291	3	500	5360	1	-28.1	6.5	1	75	212	8
700	2850	0	-14.8	7.8	0	37	346	3	700	2852	0	-12.5	8.5	0	28	344	2	700	2860	1	-11.7	5.6	1	70	179	6
850	1360	0	-7.8	6.4	0	26	26	2	850	1349	0	-6.0	5.4	0	40	33	3	850	1347	1	-3.2	3.5	1	55	147	4
1010	* 7	-4.2	4.2					1003	*	46	-3.8	1.9					1000	*	40	-0.7	2.8					
N AMERICA - USA COLD BAY, AK. 70316 5512N 16243W OB 2								N AMERICA - USA YAKUTAT, AK. 70361 5931N 13940W OB 2								N AMERICA - USA SHEMYA AFB, AK. 70414 5243N 17406E OB 2										
030	23799	8	-52.5		8	86	271	6	030	23715	10	-56.5		9	95	300	12	030								
050	20503	6	-53.3		6	96	254	9	050	2																

N AMER-USA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps
mb	gpm		°C	°C	%	o		mps	mb	gpm	°C	°C	%	o		mps	mb	gpm	°C	°C	%	o		mps		

N AMER-CANADA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps		
N AMERICA - CANADA																												
NORMAN WELLS, N.W.T.																												
71043 6517N 12648W OB 2																												
030									030		23180	4	-63.8		2	89	275	10	030		23706	1	-59.5		1	90	312	9
050									050		20018	1	-61.0		1	89	274	10	050		20520	0	-60.1		0	94	303	11
100									100		15649	0	-55.0		0	87	265	11	100		16193	0	-59.3		0	96	297	20
150	13333	0	-52.8		2	94	267	22	150		13045	0	-52.7		0	84	267	11	150		13645	0	-57.6		0	95	294	25
200	11475	0	-50.2	8.8	0	92	263	25	200		11182	0	-52.0		0	79	276	12	200		11824	0	-57.1		0	92	293	29
300	8853	0	-48.7		0	91	265	15	300		8576	0	-54.7	7.5	0	70	276	15	300		9203	0	-44.8	9.1	0	90	292	30
500	5370	0	-48.7	7.9	0	91	265	15	500		5181	0	-35.9	7.4	0	69	276	10	500		5603	0	-19.8	12.1	0	90	290	19
700	2885	0	-48.0	4.6	0	90	260	8	700		2774	0	-22.2	4.8	0	69	271	6	700		3029	0	-4.4	9.6	0	91	290	11
850	1391	0	-49.3	3.9	0	43	256	3	850		1326	0	-15.2	4.0	0	65	261	4	850		1468	0	6.0	11.5	0	67	287	6
1005	* 60		-7.7	2.6					1004		* 63		-16.7	2.3					926		* 766		2.9	3.4				
N AMERICA - CANADA																												
ALERT, N.W.T.																												
71082 8230N 06220W OB 2																												
030									030		23180	4	-63.8		2	89	275	10	030		23706	1	-59.5		1	90	312	9
050									050		20018	1	-61.0		1	89	274	10	050		20520	0	-60.1		0	94	303	11
100									100		15649	0	-55.0		0	87	265	11	100		16193	0	-59.3		0	96	297	20
150									150		13045	0	-52.7		0	84	267	11	150		13645	0	-57.6		0	95	294	25
200									200		11182	0	-52.0		0	79	276	12	200		11824	0	-57.1		0	92	293	29
300									300		8576	0	-54.7	7.5	0	70	276	15	300		9203	0	-44.8	9.1	0	90	292	30
500									500		5181	0	-35.9	7.4	0	69	276	10	500		5603	0	-19.8	12.1	0	90	290	19
700									700		2774	0	-22.2	4.8	0	69	271	6	700		3029	0	-4.4	9.6	0	91	290	11
850									850		1326	0	-15.2	4.0	0	65	261	4	850		1468	0	6.0	11.5	0	67	287	6
1005	*	60		-7.7	2.6				1004		* 63		-16.7	2.3					926		* 766		2.9	3.4				
N AMERICA - CANADA																												
EDMONTON/STONY PLAIN, ALTA.																												
71119 5333N 11406W OB 2																												
030									030		23706	1	-59.5		1	90	312	9	030		23724	0	-55.7		0	95	255	11
050									050		20520	0	-60.1		0	94	303	11	050		20487	0	-55.5		0	84	262	8
100									100		16193	0	-59.3		0	96	297	20	100		16033	0	-53.0		0	72	269	9
150									150		13645	0	-57.6		0	95	294	25	150		13413	0	-51.9		0	64	278	10
200									200		11824	0	-57.1		0	92	293	29	200		11549	0	-52.6		0	54	285	10
300									300		9203	0	-44.8	9.1	0	90	292	30	300		8925	0	-49.5	10.0	0	44	285	10
500									500		5603	0	-19.8	12.1	0	90	290	19	500		5409	0	-26.2	10.4	0	54	285	8
700									700		2029	0	-11.8	6.6	0	90	290	19	700		2898	0	-11.8	6.6	0	54	280	6
850									850		1389	0	-5.0	5.1	0	91	290	19	850		1331	0	-13.9	3.4	0	15	274	5
1005	*	170		2.5	1.6				1005		* 61		-15.7	1.8					1011	*	10		-15.3	3.2				
N AMERICA - CANADA																												
MANIWAKI, QUE.																												
71815 4832N 05833W OB 2																												
030									030		23724	0	-55.7		0	95	255	11	030		23191	0	-63.5		1	90	276	10
050									050		20487	0	-55.5		0	84	262	8	050		20047	0	-60.7		0	76	262	9
100									100		16033	0	-53.0		0	72	269	9	100		15688	1	-54.8		0	64	278	10
150									150		13413	0	-51.9		0	64	278	10	150		13080	1	-52.8		0	64	257	9
200									200		11549	0	-52.6		0	64	257	10	200		11224	1	-52.4		0	65	257	10
300									300		8619	0	-54.9	7.1	0	51	257	10	300		8925	0	-34.3	6.5	0	44	270	6
500									500		5213	0	-34.3	6.5	0	44	270	6	500		5049	0						

N AMER-ST.MAARTEN, ST.EUST., SABA UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
N AMERICA - ST.MAARTEN, ST.EUST., SABA JULIANA AIRPORT, ST. MAARTEN 78866 1803N 06307W OB 2									N AMERICA - ST.MARTIN, ST.BARTH., GUAD LE RAIZET, GUADELOUPE 78897 1616N 06131W OB 2									N AMERICA - TRINIDAD AND TOBAGO PIARCO INTL AIRPORT, TRINIDAD 78970 1037N 06121W OB 3								
030	23898	6	-53.1		9	99	101	19	030	23805	3	-56.0		3	99	94	17	030								
050	20683	3	-62.7		5	96	99	8	050	20623	0	-65.4		0	90	96	7	050								
100	16571	2	-76.5		4	78	307	7	100	16559	0	-77.2		0	79	300	6	100								
150	14190	2	-67.2		4	93	295	16	150	14188	0	-66.8		0	90	287	14	150								
200	12405	2	-54.8		4	80	292	14	200	12396	0	-53.3		0	85	275	12	200								
300	9685	2	-33.1	11.3	5	62	294	6	300	9662	0	-32.2	10.7	0	82	279	7	300								
500	5883	2	-6.0	16.8	5	11	61	.1	500	5858	0	-6.2	12.6	0	14	122	7	500								
700	3172	2	9.1	10.9	4	73	108	5	700	3151	0	8.5	7.8	0	71	106	5	700								
850	1537	3	17.1	4.4	4	93	102	8	850	1520	0	16.3	3.8	0	94	98	8	850								
1013	*	9	28.0	4.5					1012	*	8	25.7	2.8					1009	*	15	25.6	1.3				
N AMERICA - CURACAO AND BONAIRE HATO AIRPORT,CURACAO 78988 1212N 06858W OB 3									S AMERICA - COLOMBIA BOGOTA/ELDORADO 80222 0442N 07408W OB 2									S AMERICA - COLOMBIA GAVIOTAS 80241 0433N 07055W OB 2								
030	23871	3	-56.3		4	99	88	18	030	23837	6	-57.7		6	91	83	11	030								
050	20683	3	-64.0		3	81	86	5	050	20668	5	-64.4		6	84	262	9	050								
100	16592	0	-78.0		1	37	5	2	100	16566	5	-80.5		5	58	104	5	100								
150	14230	0	-67.6		0	72	278	7	150	14213	4	-67.9		4	64	91	7	150								
200	12438	0	-53.7		0	69	273	6	200	12246	4	-53.2		3	60	70	7	200								
300	9697	0	-31.1	11.5	0	36	257	3	300	9679	3	-30.7	12.2	4	68	70	4	300	9672	30	-32.0	6.2				
500	5873	0	-5.3	7.8	0	33	105	2	500	5858	3	-6.3	5.0	3	53	92	2	500	5852	20	-5.0	3.8				
700	3150	0	10.0	6.2	0	70	98	4	700	3147	3	8.1	2.4	3	48	86	2	700	3133	20	9.4	3.0				
850	1503	0	19.1	3.4	0	82	98	5	850	*2548		10.1	0.9					850	1490	20	18.7	3.8				
1003	*	62	27.0	2.4					1010	*	16							989	*	167	24.2	1.4				
S AMERICA - FRENCH GUIANA CAYENNE/ROCHAMBEAU 81405 0450N 05222W OB 2									S AMERICA - BRAZIL BELEM (AEROPORTO) 82193 0123S 04829W OB 2									S AMERICA - BRAZIL MANAUS (AEROPORTO) 82332 0309S 05959W OB 2								
030	23733	2	-60.3		9	71	95	6	030	23808	4	-61.4		5	84	94	8	030	23901	7	-59.7		6	67	103	6
050	20609	4	-67.5		5	88	272	8	050	20677	2	-66.1		2	90	266	9	050	20748	4	-64.5		4	90	276	9
100	16565	0	-80.4		0	25	168	2	100	16612	0	-81.8		0	60	113	5	100	16650	3	-81.5		3	81	109	7
150	14212	0	-67.0		0	43	248	4	150	14264	0	-66.1		0	44	234	4	150	14281	1	-65.3		1	12	125	1
200	12417	0	-52.7		0	21	301	1	200	12461	0	-52.0		0	20	209	2	200	12468	1	-51.3		1	31	92	3
300	9674	0	-31.2	13.1	0	49	91	3	300	9705	0	-31.0	17.9	0	58	85	4	300	9705	1	-30.7	10.4	2	71	111	5
500	5856	0	-5.6	12.5	0	85	87	5	500	5883	0	-5.8	18.7	0	78	80	4	500	5875	2	-5.5	9.1	1	64	97	4
700	3143	1	9.5	10.7	0	94	98	7	700	3163	0	9.6	13.0	0	99	102	10	700	3155	1	9.2	7.2	1	77	93	5
850	1506	0	17.8	8.3	0	93	108	6	850	1521	0	18.3	6.1	0	94	101	8	850	1511	1	18.4	4.8	1	87	69	7
1010	*	9	23.9	0.9					1010	*	16	27.1	5.7					1001	*	84	26.3	4.7				
S AMERICA - BRAZIL FORTALEZA 82397 0344S 03833W OB 2									S AMERICA - BRAZIL FERNANDO DE NORONHA 82400 0351S 03225W OB 2									S AMERICA - BRAZIL RECIFE (CURADO) 82900 0803S 03455W OB 2								
030									030	20744	14	-66.7		9	68	259	7	030								
050									100	16671	6	-79.7		7	39	124	4	100	16575	16	-78.5					
100	16534	4	-80.8						150	14296	6	-64.8		7	61	261	6	150	14220	15	-68.1					
150	14215	4	-68.5						200	12488	6	-52.2		6	47	288	4	200	12424	14	-54.0					
200	12423	4	-54.6						300	9736	6	-30.5	19.2	6	33	214	3	300	9680	13	-31.6	20.1				
300	9697	2	-30.7	18.8					500	5896	7	-5.0	21.9	6	75	82	5	500	5848	12	-5.3	27.4				
500	5868	1	-4.6	24.0					700	3168	5	9.9	13.3	5	87	78	7	700	3153	10	9.5	20.1				
700	3151	1	9.7	14.0					850	1527	5	15.9	5.5	5	99	100	9	850	1525	10	15.2	6.2				
850	1517	1	16.3	4.2					1000	*	56	27.6	5.9					1013	*	7	27.9	6.4				
1009	*	19	27.4	6.4																						
S AMERICA - BRAZIL VILHENA 83208 1244S 06008W OB 2									S AMERICA - BRAZIL BRASILIA (AEROPORTO) 83378 1552S 04756W OB 2									S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 83612 2028S 05440W OB 2								
030									030	23910	1	-55.9		4	89	85	9	030	23928	15	-53.8		9	64	80	7
050									050	20717	2	-65.0		4	85	96	6	050	20689	10	-63.3		9	33	292	3
100	16618	15	-79.2		9	75	285	12	100	16653	0	-76.3		3	13	241	1	100	16590	4	-74.0		9	82	293	14
150	14233	12	-66.0		9	86	295	19	150	14254	0	-65.2		3	90	251	18	150	14168	3	-63.4		8	92	271	25
200	12437	11	-52.9</																							

S AMER-BRAZIL

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND															
PRESSURE	HEIGHT	MISSING	DAYS	MEAN	DEW	POINT	MISSING	DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING	DAYS	MEAN	DEW	POINT	MISSING	DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING	DAYS	MEAN	DEW	POINT	MISSING	DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C	%			°	mps	mb	gpm		°C	°C	%		°	mps	mb	gpm		°C	°C	%		°	mps	mb	gpm		°C	°C	%		°	mps
S AMERICA - BRAZIL GALEAO 83746 2249S 04315W OB 2									S AMERICA - BRAZIL SAO PAULO (AEROPORTO) 83780 2337S 04639W OB 2									S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 83971 3000S 05111W OB 2																		
030	23899	4	-55.0			9	93	86	7	030	23844	6	-56.2			9	89	80	7	030	23886	5	-55.3			9	94	241	26							
050	20690	2	-63.7			9	54	57	4	050	20648	3	-63.9			9	98	95	274	30	050	20661	2	-60.7			9	96	245	34						
100	16574	1	-73.3			9	89	266	12	100	16533	2	-73.1			9	95	274	30	100	16441	1	-66.8			9	94	247	40							
150	14130	1	-61.5			6	98	268	22	150	14090	2	-62.1			9	94	278	32	200	12111	0	-53.1			6	95	232	17							
200	12315	1	-53.2			4	96	265	25	200	12276	1	-53.4			9	93	279	26	300	9432	0	-40.4	15.1	4	93	247	28								
300	9607	1	-35.4	13.6	1	1	93	272	20	500	5812	1	-9.9	19.2	1	90	275	14	500	5750	0	-13.8	17.9	1	92	239	9									
500	5840	1	-9.5	16.9	1	87	274	10	700	3133	1	6.3	9.4	1	83	282	8	700	3101	0	2.9	17.9	0	86	239	9										
700	3154	1	6.4	8.3	1	67	285	4	850	1516	1	13.8	5.3	1	47	5	4	850	1503	0	10.5	9.8	0	40	257	3										
850	1533	1	14.5	5.8	1	50	326	3	925	* 803		17.8	6.6					1015	* 3		18.1	6.9														
1011	*	6	22.4	6.1																																
S AMERICA - CHILE ANTOFAGASTA 85442 2326S 07027W OB 2									S AMERICA - ARGENTINA SALTA AERO 87047 2451S 06529W OB 2									ANTARCTICA - ARGENTINA CENTRO MET. ANTARTICO "VICEC. 89055 64145 05643W OB 1																		
030	23802	6	-56.1			7	45	136	4	030	23770	8	-55.9			9	105	2	030																	
050	19770	6	-63.0	26.9	7	45	267	16	050	20563	2	-61.9			9	250	5	050																		
100	16501	3	-73.2	24.0	4	94	267	16	100	16439	1	-74.2			9	280	22	100																		
150	14069	2	-62.7	24.6	2	98	275	50	150	14010	1	-62.5			9	275	34	150																		
200	12259	2	-54.2	22.8	2	98	277	40	200	12204	1	-56.4			9	270	34	200																		
300	9563	1	-37.2	23.7	1	95	270	29	300	9518	1	-34.9	16.4	1	94	265	25	300																		
500	5827	0	-9.2	30.2	1	92	252	12	500	5788	1	-9.7	15.2	0	90	260	10	500	5095																	
700	3134	0	9.1	32.6	1	28	287	2	700	3100	1	6.2	6.4	0	35	355	2	700	2971																	
850	1499	0	17.1	29.4	0	73	59	3	850	1492	1	13.2	5.5	0	45	105	1	850	1240																	
1003	*	140	14.5	2.9					878	* 1221		12.7	4.0					991	* 198		-18.9	5.5														
ANTARCTICA - SOUTH AFRICA S.A.N.A.E. STATION 89001 7018S 00221W OB 1									ANTARCTICA - UNITED KINGDOM HALLEY 89022 7530S 02639W OB									ANTARCTICA - AUSTRALIA DAVIS 89571 6835S 07758E OB 1																		
030	22420	17	-48.4			9	85	297	21	030	22199	5	-58.7	18.9		9	105	2	030	23233	7	-33.3			7	90	280	24								
050	19163	13	-62.7			9	94	269	22	050	19075	4	-68.7	18.2		9	250	5	050																	
100	14980	3	-70.9			5	89	254	13	100	14990	3	-74.2	18.0		9	280	22	100	15199	2	-56.3			7	80	284	13								
150	12577	1	-69.9			1	85	229	11	150	12624	2	-73.1	15.9		9	275	34	150	12670	1	-62.5			3	80	272	9								
200	10857	0	-67.9			0	70	223	9	200	10929	1	-70.5	14.5		9	200	10902	1	200	11643	1	-64.3			3	65	272	9							
300	8387	0	-60.2	9.5	0	43	221	8	300	8468	1	-59.1	12.6		9	300	8402	0	300	8402	0	-58.8			2	20	274	3								
500	5044	0	-37.5	7.6	0	46	200	5	500	5091	1	-35.2	11.7		9	500	5025	0	500	5025	0	-35.5	8.3	2	14	91	2									
700	2649	0	-22.8	9.9	0	41	124	4	700	2675	1	-21.2	10.5		9	700	2617	0	700	2617	0	-21.9	8.5	5	67	75	5									
850	1207	0	-16.6	9.0	0	52	115	5	850	1200						9	850	1178	0	850	1178	0	-17.8	3.6	5	92	51	10								
991	*	62	-23.0	3.2					997	*	32						991	*	13		-10.4	7.3														
ANTARCTICA - AUSTRALIA CASEY 89611 6616S 11032E OB 1									SW PACIFIC - MALAYSIA PENANG/BAYAN LEPAS 48601 0518N 10016E OB 3									SW PACIFIC - MALAYSIA KOTA BHARU 48615 0610N 10217E OB 3																		
030	23809	10	-34.5			9	94	292	31	030	23763	1	-60.1			9	91	82	9	030	23759	10	-58.3			9	85	84	6							
050	20235	5	-34.4			4	89	277	26	050	20619	1	-65.7			9	68	261	5	050	20607	5	-65.5			9	46	257	3							
100	15476	3	-45.1			4	89	277	26	100	16542	0	-79.4			9	96	95	24	100	16519	0	-78.5			3	99	94	29							
150	12824	3	-53.8			4	83	277	17	150	14204	0	-68.1			9	96	85	23	150	14182	0	-69.0			0	94	84	21							
200	10982	2	-56.6			2	67	289	10	200	12416	0	-53.2			9	92	83	13	200	12405	0	-54.2			0	90	86	12							
300	8426	2	-56.4			3	21	307	3	300	9671	0	-30.5	5.8	0	72	87	5	300	9670	0	-30.9	5.4	0	84	89	6									
500	5047	1	-35.3	12.6	1	26	65	3	500	5847	0	-5.5	6.2	0	62	281	4	500	5847	0	-5.3	3.2	0	66	281	5										
700	2628	1	-20.5	8.4	2	64	80	6	700	3133	0	9.3	7.2	0	90	268	8	700	3129	0	9.4	4.3	0	88	277	9										
850	1175	1	-14.6	5.6	1	75	84	7	850	1496	0	18.1	5.8	0	84	277	6	850	1492	0	18.2	3.3	0	92	275	9										
988	*	15	-10.0	6.1					1009	*	4	26.0	2.3					1007	*	5	25.6	2.3														
SW PACIFIC - MALAYS																																				

SW PAC-USA

UPPER AIR

OCTOBER 1988

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps
SW PACIFIC - USA (PACIFIC OCEAN NORTH)									SW PACIFIC - USA (PACIFIC OCEAN NORTH)									SW PACIFIC - USA (PACIFIC OCEAN NORTH)													
MIDWAY ISLAND									LIHUE, KAUAI, HAWAII									HILO/GEN. LYMAN, HAWAII,													
91066 2813N 17722W 0B 2									91165 2159N 15921W 0B 2									91285 1943N 15504W 0B 2													
030	20685	4	-63.4			4	90	86	7	030	23856	4	-55.0			4	98	88	12	030	23836	11	-55.6			9	99	90	15		
050										050	20654	4	-63.5			4	96	87	7	050	20645	11	-64.3			9	93	87	8		
100	16573	1	-75.1			1	51	17	4	100	16516	1	-73.2			1	34	324	2	100	16518	2	-73.0			2	28	274	2		
150	14181	1	-66.5			1	46	345	6	150	14106	1	-65.6			1	39	308	4	150	14112	1	-66.3			1	72	268	9		
200	12397	2	-55.9			1	46	350	7	200	12319	1	-56.0			1	40	326	6	200	12329	1	-56.0			1	80	265	14		
300	9696	1	-34.4			1	42	326	5	300	9630	1	-36.3	9.9		1	45	360	5	300	9629	0	-35.7			0	52	270	7		
500	5907	0	-6.6	11.7		0	29	315	2	500	5865	1	-7.3	14.3		1	35	2	2	500	5866	0	-7.6			1	21	353	1		
700	3199	0	9.2	15.0		0	20	360	1	700	3160	1	8.1	13.9		1	45	73	2	700	3163	0	8.2			1	29	122	1		
850	1568	0	14.9	6.9		0	39	82	2	850	1535	1	14.3	3.0		1	86	71	5	850	1536	0	15.1	3.5		2	60	99	2		
1019	*	13	24.7	5.3						1011	*	45	23.7	3.1						1014	*	11	22.3	3.1							
SW PACIFIC - USA (PACIFIC OCEAN NORTH)									SW PACIFIC - SOLOMON ISLANDS									SW PACIFIC - NEW CALEDONIA													
TRUK, CAROLINE IS.									91517 09255 15958E 0B 1									NOUMEA (NLE-CALEDONIE)													
91334 0728N 15151E 0B 1									91592 2216S 16627E 0B 1																						
030	23891	8	-56.3			8	99	89	14	030	23760	7	-57.5			9	98	87	12	030	23847	14	-56.5			9	95	91	11		
050	20707	7	-64.2			7	28	44	1	050	20600	2	-65.4			4	18	165	1	050	20660	3	-64.1			9	61	108	4		
100	16631	6	-79.2			6	73	40	5	100	16570	2	-80.9			3	85	129	5	100	16560	1	-74.8			6	86	258	16		
150	14276	6	-67.5			5	57	325	6	150	14220	0	-67.6			1	49	204	6	150	14160	0	-64.7			4	91	264	26		
200	12481	6	-52.7			5	58	293	8	200	12430	0	-53.3			1	36	259	4	200	12353	0	-51.9			1	89	274	29		
300	9726	7	-29.6	9.3		6	51	41	3	300	9680	0	-30.6			1	50	279	4	300	9613	0	-32.8	15.3		0	89	279	23		
500	5959	6	-4.9	5.3		6	84	94	6	500	5860	0	-5.7	4.3		1	11	321	1	500	5839	0	-8.2	19.1		0	67	263	7		
700	3155	3	9.9	5.0		3	72	99	5	700	3140	0	9.2	5.0		1	44	63	2	700	3147	0	7.9	21.7		0	25	168	1		
850	1510	4	18.2	2.5		6	79	107	5	850	1510	0	17.6	5.0		1	44	91	4	850	1527	0	14.1	11.8		0	66	82	4		
1009	*	2	28.5	4.1						1004	*	56	29.4	5.4						1007	*	72	26.2	8.2							
SW PACIFIC - USA (SAMOA)									SW PACIFIC - FRENCH POLY. (MARQUESAS)									SW PACIFIC - FRENCH POLY. (SOCIETY IS)													
PAGO PAGO/INT. AIRPORT									91925 09485 13902W 0B 1									91938 1733S 14937W 0B 1													
91765 1420S 17043H 0B 2									91925 09485 13902W 0B 1									91938 1733S 14937W 0B 1													
030	23795	6	-55.8			6	98	93	11	030	23759	10	-57.3			9	98	88	10	030	23790	7	-56.6			7	96	79	9		
050	20611	6	-65.5			6	91	88	5	050	20600	6	-66.6			7	88	281	7	050	20605	0	-75.0			1	92	95	6		
100	16549	2	-78.6			2	84	253	7	100	16530	3	-76.4			3	95	275	16	100	16511	0	-75.0			0	75	256	9		
150	14184	1	-68.2			1	91	247	15	150	14161	0	-66.9			0	96	274	30	150	14115	0	-66.7			0	66	246	13		
200	12400	1	-54.5			1	88	247	16	200	12372	0	-54.1			1	92	281	28	200	12333	0	-55.7			0	52	233	11		
300	9673	1	-32.4	9.7		1	76	261	10	300	9649	0	-32.6	17.8		0	85	269	15	300	9627	0	-34.2	12.0		0	33	246	5		
500	5866	0	-6.4	9.7		0	38	311	2	500	5845	0	-6.0	21.9		0	58	264	5	500	5848	0	-7.3	16.1		0	17	66	1		
700	3154	0	8.6	6.2		0	61	60	3	700	3132	0	9.5	21.2		0	40	82	2	700	3150	0	7.6	11.3		0	51	72	3		
850	1519	0	16.3	3.3		0	71	71	5	850	1509	0	14.5	4.8		0	84	82	6	850	1527	0	15.0	4.2		0	59	79	3		
1011	*	3	25.6	2.4						1006	*	52	28.6	8.4						1014	*	2	28.1	6.9							
SW PACIFIC - FRENCH POLY. (TUAMOTU IS)									SW PACIFIC - FRENCH POLY. (AUSTRAL IS)									SW PACIFIC - AUSTRALIA													
HAO									91958 27375 14420W 0B 1									94120 1224S 13052E 0B													
030	23772	6	-56.1			7	96	85	8	030	23884	12	-55.6			12	98	97	8	030	23760	3	-57.5			4	99	89	13		
050	20575	2	-64.2			2	87	97	6	050	20669	5</td																			

SW PAC-AUSTRALIA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING	DAYS	MEAN	DEW	POINT	MISSING	DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING	DAYS	MEAN	DEW	POINT	MISSING	DAYS	STEADINESS	DIRECTION	SPEED						
mb	gpm		%	°C	°C	DEPRESSION		MISSING	STEADINESS	°	mps	mb	gpm		%	°C	°C	DEPRESSION		MISSING	STEADINESS	°	mps						
		SW PACIFIC - AUSTRALIA WILLIS ISLAND 94299 1618S 14959E OB											SW PACIFIC - AUSTRALIA PORT HEDLAND AIRPORT 94312 2022S 11837E OB									SW PACIFIC - AUSTRALIA ALICE SPRINGS AIRPORT 94326 2348S 13354E OB							
030	23768	4	-56.5		4	97	79	11	030	23817	2	-56.7		3	97	91	13	030	23826	4	-56.5		6	98	90	15			
050	20596	0	-65.6		1	92	101	9	050	20630	1	-64.5		2	96	102	10	050	20654	1	-64.2		1	96	99	12			
100	16567	0	-80.3		1	44	218	4	100	16583	0	-79.3		5	269	52	100	16565	0	-75.8		1	86	259	14				
150	14212	0	-66.7		1	71	261	10	150	14216	0	-65.7		0	81	271	14	150	14164	0	-64.1		1	91	261	24			
200	12417	0	-52.6		1	84	269	15	200	12409	0	-51.8		0	88	274	18	200	12350	0	-51.2		1	89	258	27			
300	9667	0	-30.3		1	74	277	12	300	9653	0	-30.5		1	94	267	18	300	9611	0	-33.8		0	84	263	17			
500	5854	0	-6.3	18.6	1	16	205	2	500	5849	0	-8.6	19.0	0	76	298	6	500	5855	0	-9.9	13.7	0	62	267	6			
700	3148	0	-8.8	13.4	0	64	103	4	700	3165	0	-8.7	13.3	2	61	333	5	700	3174	0	-8.5	15.5	0	44	274	3			
850	1517	0	16.7	7.3	0	91	100	8	850	1519	0	22.4	21.2	0	2	316	1	850	1536	0	19.7	21.0	0	46	274	4			
1011	*	9	27.9	5.3				1009	*	11	25.8	11.9					953	*	544	24.8	24.7								
		SW PACIFIC - AUSTRALIA GILES 94461 2502S 12818E OB											SW PACIFIC - AUSTRALIA CHARLEVILLE AIRPORT 94510 2625S 14616E OB 1									SW PACIFIC - AUSTRALIA MOREE 94527 2928S 14951E OB							
030	23837	4	-57.6						030	23859	2	-56.7		4	99	90	15	030	23875	8	-55.9								
050	20652	3	-63.8		9	81	255	12	050	20662	1	-62.7		2	95	91	9	050	20663	1	-60.8								
100	16555	1	-75.1		6	92	258	25	100	16523	0	-72.3		0	90	257	19	100	16463	0	-68.5								
150	14148	1	-63.6		6	92	258	25	150	14093	0	-62.2		0	91	260	27	150	14000	0	-61.0								
200	12333	1	-51.3		2	93	260	27	200	12273	0	-51.9		0	88	259	28	200	12179	0	-52.9								
300	9593	1	-34.5		2	83	265	17	300	9562	0	-37.0		0	78	258	19	300	9491	0	-39.0								
500	5846	1	-10.4	15.0	2	76	276	8	500	5841	0	-10.9	17.4	0	75	251	9	500	5796	0	-12.7	14.8							
700	3170	0	8.1	16.0	0	60	295	5	700	3171	0	6.5	14.9	1	55	265	4	700	3143	0	5.4	16.8							
850	1533	0	20.4	20.8	0	43	33	4	850	1545	0	18.3	18.9	0	29	332	2	850	1528	0	15.9	17.9							
946	*	599	26.9	24.8				981	*	304	27.4	21.4					991	*	212	23.8	14.3								
		SW PACIFIC - AUSTRALIA BRISBANE AIRPORT 94578 2726S 15305E OB 1											SW PACIFIC - AUSTRALIA PERTH AIRPORT 94610 3156S 11557E OB									SW PACIFIC - AUSTRALIA KALGOORLIE AIRPORT 94637 3046S 12127E OB							
030	23833	5	-56.6		3	99	85	16	030	23938	9	-54.4		9	86	100	6	030	23930	4	-50.8								
050	20636	0	-61.3		0	87	89	8	050	20701	2	-58.6		9	86	100	6	050	20690	4	-56.6		4	85	95	6			
100	16473	0	-71.1		0	93	259	15	100	16449	1	-66.7		6	95	275	23	100	16376	4	-62.3		2	94	265	23			
150	14031	0	-61.9		0	94	262	29	150	13958	0	-58.7		3	96	275	39	150	13852	3	-57.3		1	93	270	38			
200	12214	0	-52.8		0	91	259	31	200	12116	0	-50.3		0	92	280	41	200	12186	4	-49.8								
300	9520	0	-38.1		0	79	258	20	300	9411	0	-38.4		0	91	275	34	300	9475	4	-37.2		94	267	28				
500	5810	0	-11.9	17.8	0	81	253	11	500	5731	0	-13.2	19.3	0	86	285	22	500	5766	4	-12.3	20.2	9	90	280	16			
700	3115	0	5.1	14.5	0	64	251	6	700	3081	0	2.0	17.0	0	75	285	12	700	3109	4	4.8	22.1	4	87	281	13			
850	1537	0	16.0	16.3	0	44	279	3	850	1491	0	8.7	10.7	0	69	290	7	850	1505	4	12.6	15.6	3	74	285	7			
1016	*	6	24.7	9.2				1015	*	12	13.2	1.9					974	*	360	16.2	10.5								
		SW PACIFIC - AUSTRALIA ESPERANCE 94638 3349S 12153E OB 1											SW PACIFIC - AUSTRALIA FORREST AIRPORT 94646 3050S 12806E OB									SW PACIFIC - AUSTRALIA ADELAIDE AIRPORT 94672 3456S 13831E OB							
030	23920	7	-54.6		8	64	89	4	030	23917	5	-55.4		9	96	95	9	030	23960	11	-53.4		99	90	16				
050	20678	4	-58.3		8	64	89	4	050	20692	5	-60.2		9	88	260	14	050	20690	4	-56.6		4	85	95	6			
100	16393	2	-64.1		6	94	271	24	100	16479	4	-68.5		7	88	260	14	100	16376	4	-62.3		2	94	265	23			
150	13889	2	-58.2		5	95	269	40	150	14019	4	-61.1		5	93	264	32	150	13852	3	-57.3		1	93	270	38			
200	12050	2	-51.7		4	94	272	46	200	12185	3	-51.2		5	92	265	37	200	12014	3	-52.2		1	94	265	43			
300	9360	2	-39.2		4	92	274	39	300	9479	2	-37.8		3	90	269	29	300	9340	2	-41.0		0	90	270	37			
500	5687	2	-15.2	13.2	3	90	278	27	500	5770	2	-12.2	13.3	3	91	278	19	500	5683	2	-15.7	15.4	0	90	270	26			
700	3062	2	0.9	16.7	2	92	278	18	700	3117	2	4.8	13.3	1	91	280	14	700	3060	2	0.9	17.7	0	94	270	19			
850	1480	2	8.2	12.0	1	85	280	11	850	1512	2	13.4	13.7	1	68	276	7	850	1477	2	8.0	15.0	0	86	275	12			
1012	*	26	14.4	5.3				997	*	160	18.0	10.8					1014	*	4	17.6	10.5								
		SW PACIFIC - AUSTRALIA COBAR 94711 3129S 14549E OB											SW PACIFIC - AUSTRALIA ALBANY AIRPORT 94802 3457S 11748E OB									SW PACIFIC - AUSTRALIA MT GAMBIER AIRPORT 94821 3744S 14047E OB							
030									030	23949	12	-54.0					030	23978	5	-52.6		8	99	88	15				
050	20676	7	-59.7		9	94	254	20	100	16364	4	-62.3		9	93	265	18	100	16317	0	-58.7		5	82	109	5			
100	16440																												

SW PAC-AUSTRALIA

UPPER AIR

OCTOBER 1988

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%		°	mps	mb	gpm		°C	°C	%		°	mps	mb	gpm		°C	°C	%		°	mps		
SW PACIFIC - AUSTRALIA LAVERTON AERODROME 94865 3751S 14444E OB 1																												
030	23970	8	-52.7						030	20704	12	-56.8						030	24050	9	-49.4				97	85	10	
050	20689	7	-55.0						050	16374	9	-62.8						050	20712	9	-50.8				33	39	2	
100	16315	5	-59.5						100	13846	9	-56.8						100	16205	4	-51.2				9	93	268	
150	13748	2	-54.7			9	92	264	30	150	12004	9	-52.4					150	13559	2	-50.2				5	93	271	
200	11891	1	-50.7			4	92	260	39	300	9339	9	-41.9					200	11677	1	-48.2				3	93	270	
300	9220	1	-43.3			1	91	267	43	500	5685	9	-16.2	10.1				300	8998	0	-45.5				2	90	271	
500	5598	0	-18.4	10.5		0	93	269	30	850	1480	9	8.9	14.4	1	88	273	11	500	5437	0	-22.6	10.5			0	92	271
700	3005	0	-2.2	13.6		0	92	273	21	700	3067	9	1.5	16.6	2	89	273	19	700	2886	0	-6.2	8.9			0	92	268
850	1440	0	5.4	8.1	1	89	277	13	989	* 213		15.8	8.5				850	1343	0	2.2	5.6	0	91	278	16			
1009	*	14	15.2	8.8														1000	*	3	12.8	7.2						
SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) LORD HOWE ISLAND 94995 3131S 15905E OB 8																												
030	23875	16	-55.7						030	23853	7	-56.2						030	16548						9	95	93	
050	20654	13	-60.0						050	20644	3	-61.0						050	14218						7	97	78	
100	16405	11	-65.8			93	264	20	100	16428	0	-68.1						100	12428	9	-55.3				8	94	81	
150	13909	9	-59.9			92	260	36	150	13960	0	-60.9						150	9677						4	77	87	
200	12087	8	-54.0			9	90	266	33	200	12139	0	-53.1					200	5845						7	95	25	
300	9420	8	-41.0			8	76	262	27	300	9458	0	-39.8					300	3126	8	9.1	4.0	4	88	264	9		
500	5753	8	-14.5	17.9	6	88	267	20	500	5776	0	-13.4	17.4	0	84	260	14	500	9681	0	-30.1	6.2	0	77	82	7		
700	3117	8	3.4	19.1	3	90	267	15	700	3131	0	3.8	14.6	0	65	266	7	700	3132	0	9.4	4.9	0	88	265	10		
850	1518	8	11.8	12.7	2	19	345	2	850	1527	0	11.9	11.3	0	32	270	3	850	1495	0	17.9	4.2	0	95	247	9		
1011	*	46	20.8	4.7					1005	*	109		20.9	5.5				1009	*	5	25.7	2.8						
SW PACIFIC - MALAYSIA(SABAH & SARAWAK) KUCHING 96413 0129N 11020E OB 3																												
030	23761	11	-59.7			9	89	95	8	030	23759	19	-60.3					030	23783	9	-59.0				9	94	88	
050	20615	5	-65.7			9	98	271	13	050	20610	4	-65.9					050	20639	2	-66.4				9	57	284	
100	16525	0	-80.7			9	96	88	23	100	16535	2	-81.6					100	16573	1	-82.5				9	96	87	
150	14190	0	-67.9			6	96	77	21	150	14195	2	-67.6					150	14228	1	-66.8				5	95	70	
200	12403	0	-53.5			4	93	76	14	200	12406	2	-53.5					200	12432	0	-52.5				3	93	75	
300	9665	0	-31.3	6.1	1	73	94	6	300	9668	2	-31.2	6.7	2	84	79	7	300	5853	0	-5.1	3.8	0	34	233	2		
500	5847	0	-5.9	3.7	0	46	257	3	500	5851	0	-5.7	4.2	1	50	250	3	500	9681	0	-30.1	6.2	0	77	82	7		
700	3136	0	8.9	5.5	1	80	255	7	700	3137	0	9.1	6.0	0	85	256	8	700	3132	0	9.4	4.9	0	88	265	10		
850	1500	0	18.2	4.9	1	67	245	4	850	1501	0	17.9	4.3	1	87	248	6	850	1495	0	17.9	4.2	0	95	247	9		
1007	*	27	24.3	1.4					1009	*	5							1009	*	3								
SW PACIFIC - MALAYSIA(SABAH & SARAWAK) TAWAU 96481 0416N 11753E OB 1																												
030	23798	10	-59.1						030	23750	6	-57.8						030	23881	0	-56.7				0	88	290	
050	20650	7	-65.2						050	20586	2	-65.9						050	20643	0	-56.1				0	81	285	
100	16570	1	-82.1			9	100	70	15	100	16564	2	-80.9					100	16229	0	-55.1				0	77	280	
150	14224	1	-66.5			9	74	63	7	150	14219	2	-67.8					150	13633	0	-53.2				0	79	285	
200	12426	1	-52.3			9	64	68	6	200	12429	2	-53.1					200	11778	0	-51.8				0	75	290	
300	9680	1	-30.8	6.1	9	64	68	6	300	9684	0	-30.3					300	9111	0	-43.7				0	72	290		
500	5855	1	-5.7	3.4	9	33	283	3	500	5853	0	-4.9	18.1	0	49	133	3	500	5516	0	-20.5	8.9	0	67	290	9		
700	3142	1	9.1	4.1	7	84	254	9	700	3140	0	8.2	9.5	0	55	63	4	700	2951	0	-5.7	10.0	0	63	295	6		
850	1504	1	18.4	3.7	7	88	247	8	850	1510	0	16.2	5.3	0	87	92	7	850	1410	0	0.5	4.0	0	51	300	4		
1008	*	20	25.6	1.4					1012	*	3							1010	*	0								
SHIP SITE - OCEAN WEATHER STATIONS CHARLIE																												
030	23881	0	-56.7						030	23881	0	-56.7						030	23881	0	-56.7				0	88	290	
050	20643	0	-56.1						050	20643	0	-56.1						050	20643	0	-56.1				0	81	285	
100	16229	0	-55.1						100	16229	0	-55.1						100	16229	0	-55.1				0	77	280	
150	13633	0	-53.2						150	13633	0	-53.2						150	13633	0	-53.2				0	79	285	
200	11778	0	-51.8						200	11778	0	-51.8						200	11778	0	-51.8				0	75	290	
300	9111	0	-43.7						300																			

ASIA-THAILAND

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND										
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED					
mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps					
ASIA - THAILAND																															
CHIANG MAI																															
48327	AUG 1988	1847N	09859E	OB 1					62760	AUG 1988	1337N	02520E	OB 1					87155	AUG 1988	2727S	05903W	OB 2									
030	23921	11	-56.6					030	23947	4	-52.4						030	23947	4	-52.4											
050	20728	7	-64.1					050	20699	4	-60.3						050	20699	4	-60.3											
100	16640	5	-79.1					100	16718	16	-75.4						100	16497	2	-69.2											
150	14279	4	-66.5					150	14323	16	-65.1						150	14047	2	-62.6											
200	12469	4	-51.3					200	12512	16	-50.8						200	12243	2	-55.4											
300	9696	2	-28.9	8.9	3	90	70	8	300	9752	16	-29.5	9.8	9	6	90	6	300	9555	2	-37.2	14.6	5	92	266	41					
500	5849	2	-4.4	2.9	3	33	245	2	500	5905	16	-4.2	4.2	9	67	73	4	500	5817	2	-9.4	18.7	5	88	269	16					
700	3123	2	10.2	2.7	3	66	255	5	700	3171	16	11.9	5.2	9	67	73	4	700	3131	2	5.5	10.8	5	77	301	9					
850	1478	2	18.5	1.8	3	75	245	4	850	1511	16	23.3	6.8	5	57	167	2	850	1522	3	14.1	11.1	5	49	333	6					
972	* 314		24.7	1.4				928	* 730		30.3	10.8					1011	* 52		13.4	3.5										
S AMERICA - ARGENTINA																															
CORDOBA AERO																															
87344	AUG 1988	3119S	06413W	OB 2					87418	AUG 1988	3250S	06847W	OB 2					87576	AUG 1988	3449S	05832W	OB 2									
030	23797	13	-54.4					030	23785	17	-55.2						030	23765	7	-55.7											
050	20553	3	-59.5					050	20567	15	-58.6						050	20542	3	-59.2											
100	16312	1	-66.1					100	16291	9	-65.3						100	16250	1	-62.7											
150	13838	0	-61.6					150	13785	3	-60.1						150	13728	0	-58.6											
200	12029	0	-55.3					200	11955	2	-54.5						200	11907	0	-56.0											
300	9374	0	-41.3	18.3	0	93	273	37	300	9309	0	-42.9	15.7	8	89	252	33	300	9266	0	-43.9	15.5	1	91	270	36					
500	5720	0	-15.2	20.9	0	95	281	20	500	5686	0	-17.9	17.4	0	89	258	18	500	5662	0	-18.5	16.6	0	89	269	22					
700	3086	0	3.0	22.9	0	74	300	9	700	3074	1	1.3	19.4	0	74	305	8	700	3070	0	-1.8	16.1	0	72	263	9					
850	1498	0	8.9	14.3	0	48	360	4	850	1492	0	6.9	12.9	0	37	170	2	850	1500	0	6.2	12.8	0	49	258	4					
994	* 474		6.5	5.0				935	* 704		4.7	7.5					1015	* 20		7.3	2.6										
S AMERICA - ARGENTINA																															
SANTA ROSA AERO																															
87623	AUG 1988	3634S	06416W	OB 2					87715	AUG 1988	3857S	06808W	OB 2					87748	AUG 1988	3844S	06210W	OB 2									
030	23665	8	-57.5					030	23640	9	-56.7						030	23775	23	-53.6											
050	20456	6	-59.7					050	20416	7	-59.7						050	20526	20	-57.0											
100	16167	0	-61.0					100	16090	1	-59.1						100	16108	11	-58.1											
150	13627	0	-57.1					150	13534	0	-56.2						150	13592	10	-55.3											
200	11799	0	-54.9					200	11705	0	-56.0						200	11745	9	-53.8											
300	9180	0	-47.2	15.7	3	89	266	36	300	9103	1	-49.1	19.3	4	85	267	28	300	9130	9	-48.0	14.6	9	90	269	18					
500	5613	0	-20.8	13.1	1	91	272	21	500	5566	0	-23.3	17.9	2	83	274	19	500	5580	10	-22.5	13.4	9	88	251	16					
700	3043	0	-3.2	17.2	2	82	265	13	700	3017	0	-6.3	16.4	2	80	276	12	700	3027	9	-5.5	12.5	9	88	259	14					
850	1485	1	5.5	15.2	1	48	245	6	850	1471	1	3.1	12.5	3	61	275	7	850	1481	9	3.1	10.0	9	47	287	6					
994	* 191		4.3	5.1				985	* 271		2.1	4.3					1009	* 22		4.9	4.5										
S AMERICA - ARGENTINA																															
COMODORO RIVADAVIA AERO																															
87860	AUG 1988	4547S	06730W	OB 2					02365	SEP 1988	6232N	01727E	OB 3					02465	SEP 1988	5921N	01757E	OB 3									
030	23374	9	-63.1					030	24106	8	-52.4						030	24000	2	-54.9	29.9										
050	20187	6	-60.9					050	20824	1	-54.8						050	20734	1	-54.4	30.3										
100	15867	4	-58.8					100	13619		-51.6	24.6					100	13668	1	-52.9	26.9	8	50	260	6						
150	13310	3	-56.8					150	11757	5	-52.5	18.7					150	11820	1	-53.5	19.4	6	46	263	9						
200	11485	3	-56.6					200	9117	2	-45.1	10.4					200	9175	1	-44.8	11.6	3	43	268	10						
300	8900	2	-52.1	19.1	3	78	267	21	300	5519	1	-20.2	11.1	3	56	269	9	300	5567	1	-19.1	11.8	1	60	281	10					
500	5422																														

EUROPE—DENMARK

UPPER AIR LATE REPORTS

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EUROPE-TURKEY

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps					
EUROPE - TURKEY ADANA																												
17352 SEP 1988 3659N 03518E 0B 1																												
030	23997	14	-54.6					030	23843	1	-50.5	1.1	1	75	291	2	030	23852	0	-50.9			0	64	273	3		
050	20772	11	-60.2					050	20507	1	-50.4	9.6	1	91	292	3	050	20521	0	-50.5			0	75	266	3		
100	16548	16	-67.8					100	15943	0	-47.2	8.5	0	88	290	4	100	15967	0	-47.4			0	85	270			
150	14079	3	-61.1					150	13251	0	-46.1	7.1	0	90	289	5	150	13281	0	-46.2			0	87	271	6		
200	12530	2	-52.3					200	11339	0	-46.2	5.7	0	90	289	6	200	11366	0	-45.7			0	81	271	7		
300	9536	0	-37.6					300	8684	0	-52.6	3.8	0	78	292	7	300	8698	0	-51.2			0	76	269	10		
500	5813	0	-10.2	14.9				500	5234	0	-31.0	5.1	0	78	296	6	500	5236	0	-30.4	4.8	0	82	272	8			
700	3132	0	6.6	12.0				700	2776	0	-17.0	3.8	0	70	304	4	700	2765	0	-16.1	4.4	0	72	282	5			
850	1505	0	17.9	6.1				850	1298	0	-9.9	2.8	0	60	311	3	850	1282	0	-9.7	2.2	0	72	287	4			
1008	*	20	22.5	6.1				1001	*	20	-5.9	2.0					1000	*	13	-5.5	1.6							
ASIA - USSR OSTROV DIKSON																												
20674 SEP 1988 7330N 08014E 0B 1																												
030	23921	1	-61.3		1	80	270	3	030	23953	7	-52.0	9.7	9	69	288	2	030	23902	0	-51.3			0	76	251	3	
050	20608	0	-50.9		0	78	270	4	050	20620	2	-51.3	8.7	6	81	270	3	050	20572	0	-50.8			0	91	263	4	
100	16080	0	-48.2		0	82	271	5	100	16086	1	-49.0	7.3	3	84	273	5	100	16022	0	-48.4			0	89	265	5	
150	13405	0	-47.2		0	81	275	6	150	13422	0	-48.3	6.1	1	84	273	7	150	13339	0	-47.3			0	90	266	7	
200	11503	0	-47.6		0	81	273	8	200	11531	0	-48.4	5.0	0	86	270	8	200	11437	0	-47.4			0	90	266	9	
300	8857	0	-49.7		0	72	271	9	300	8893	0	-50.0	3.9	0	68	270	10	300	8786	0	-50.2			0	84	266	11	
500	5347	0	-26.3	5.2	0	66	274	6	500	5379	0	-25.9	4.3	0	75	270	7	500	5294	0	-27.7	5.2	0	84	264	9		
700	2833	0	-11.3	5.7	0	72	282	4	700	2863	0	-10.2	2.9	0	75	270	5	700	2802	0	-13.3	4.7	0	84	260	6		
850	1322	0	-4.4	2.5	0	44	284	2	850	1343	0	-2.6	2.2	0	70	270	4	850	1305	0	-6.9	3.1	0	81	261	5		
997	*	20	0.8	1.3				1002	*	24	2.5	2.2					1000	*	10	-1.0	1.9							
ASIA - USSR MYS KAMENNYJ																												
23146 SEP 1988 6828N 07336E 0B 1																												
030	23977	14	-52.2	9.7				030	24021	8	-52.6			8	92	270	3	030	24019	0	-53.5			0	81	277	3	
050	20658	10	-52.4	8.9	9	49	270	2	050	20718	6	-52.1			6	89	269	4	050	20732	0	-52.7			0	76	268	4
100	16143	4	-50.1	8.2	9	91	282	4	100	16225	3	-50.2			3	79	268	5	100	16235	0	-50.9			0	81	270	6
150	13494	3	-49.3	6.7	9	83	286	4	150	13575	1	-49.1			2	77	270	6	150	13595	0	-50.2			0	77	266	7
200	11618	3	-50.6	5.7	9	72	287	5	200	11687	1	-50.0			1	61	274	6	200	11725	0	-51.8			0	78	262	9
300	8984	3	-48.4	4.7	9	48	299	5	300	9039	1	-46.9			1	56	272	7	300	9081	0	-45.9			0	64	260	8
500	5445	3	-23.9	6.2	9	45	254	3	500	5486	0	-22.4	6.8	0	59	267	5	500	5505	0	-21.6	6.5	0	72	259	7		
700	2911	3	-8.4	5.4	8	52	269	3	700	2942	0	-7.3	6.7	0	60	268	4	700	2949	0	-6.7	6.1	0	66	260	5		
850	1383	3	-1.5	3.0	7	46	255	2	850	1402	1	-0.8	3.3	0	63	276	3	850	1414	0	0.0	3.5	0	59	251	4		
1008	*	40	8.4	4.0				991	*	35	5.9	3.7					1007	*	32	5.9	2.7							
ASIA - USSR HANTY-MANSIJSK																												
23933 SEP 1988 6058N 06904E 0B 1																												
030	24048	0	-53.4		0	80	275	4	030	24000	3	-53.4			3	87	281	4	030	24030	2	-53.4			2	94	276	5
050	20758	0	-53.4		0	86	275	4	050	20714	2	-53.1			2	80	276	4	050	20755	0	-54.2			0	83	276	4
100	16272	0	-51.9		0	91	269	6	100	16238	0	-52.0			2	81	271	5	100	16305	0	-53.0			0	91	270	6
150	13635	0	-50.7		0	87	269	7	150	13613	0	-51.3			0	79	270	6	150	13688	0	-51.9			0	87	270	7
200	11760	0	-51.8		0	69	267	7	200	11750	0	-52.7			0	75	270	8	200	11826	0	-53.0			0	76	268	9
300	9124	0	-46.1		0	60	266	8	300	9125	0	-47.0			0	72	269	8	300	9198	0	-45.6			0	70	269	9
500	5533	0	-19.9	8.7	0	66	258	6	500	5545	0	-20.9	6.4	0	72	267	6	500	5594	0	-19.1	7.2	0	70	259	6		
700	2961	0	-5.0	7.7	0	64	256	4	700	2979	0	-5.8	4.5	0	63	266	5	700	3011	0	-3.3	7.4	0	76	261	5		
850	1417	0	1.6	5.2	0	47	249	3	850	1438	0	0.8	3.2	0	56	265	3	850	1453	0	4.0	4.5	0	64	265	4		
992	*	776	24.9	19.0				1000	*	17	28.0	6.5					979	*	237	9.6	3.8							

ASIA-SAUDI ARABIA

UPPER AIR LATE REPORTS

ASIA-CHINA

UPPER AIR LATE REPORTS

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND												
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED										
mb	gpm		°C	°C	%	o		mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps												
ASIA - CHINA SHANGHAI																		ASIA - CHINA GUANGZHOU																		
58367	SEP 1988	3110N	12126E	OB 1					59287	SEP 1988	2308N	11319E	OB 1					60390	SEP 1988	3643N	00315E	OB 3														
030	24081	15	-55.0			9	100	96	7	030	23991	4	-57.2			7	100	91	10	030																
050	20864	6	-61.9			9	100	92	4	050	20820	0	-66.2			0	100	86	8	050																
100	16713	1	-71.7			1	93	280	7	100	16783	0	-77.2			0	80	61	4	100	16525	12	-62.4			9	87	270	10							
150	14270	0	-61.7	11.3	0	93	276	13	150	14378	0	-63.0			0	45	19	3	150	13939	5	-58.6			9	82	280	12								
200	12438	1	-50.0	8.1	0	89	269	13	200	12548	1	-49.0	6.6	1	27	351	2	200	12199	5	-55.2			9	70	290	11									
300	9670	0	-30.5	8.1	0	87	263	10	300	9758	0	-27.4	8.0	0	14	278	1	300	9532	5	-39.5	8.8	9	64	300	10										
500	5846	0	-6.1	9.6	0	83	259	5	500	5887	1	-3.4	6.5	2	20	258	1	500	5836	5	-11.9	16.4	9	77	300	7										
700	3135	0	8.2	12.8	0	50	279	2	700	3147	0	10.8	4.9	1	20	250	1	700	3174	4	5.7	15.5	8	63	290	5										
850	1509	0	14.7	6.6	0	43	40	2	850	1502	0	17.9	3.3	0	14	70	1	850	1557	4	-66.3	14.1	8	69	350	4										
1013	*	7	22.5	2.9					1009	*	8	25.3	3.6					998	*	25	23.1	6.7														
AFRICA - ALGERIA BECHAR																		AFRICA - ALGERIA IN SALAH																		
60571	SEP 1988	3137N	00214W	OB 3					60630	SEP 1988	2712N	00228E	OB 3					60680	SEP 1988	2247N	00531E	OB 3														
030	24084	9	-53.0						030	23994	7	-54.0			7	89	90	14	030																	
050	20824	5	-58.0						050	20773	5	-61.0			5	95	100	12	050																	
100	16576	2	-67.5						100	16599	3	-71.8			3	66	250	7	100																	
150	14113	0	-60.5						150	14182	1	-65.1			2	89	270	17	150																	
200	12305	0	-55.5			9	80	260	22	200	12383	1	-53.7			1	86	270	18	200	12436	8	-53.9			9	72	280	8							
300	9619	0	-37.9	14.8	2	69	270	14	300	9672	1	-35.0	14.0	1	78	270	13	300	9702	7	-32.8	19.2	8	57	300	6										
500	5891	0	-9.6	20.8	0	51	270	5	500	5914	1	-8.2	17.6	1	57	270	5	500	5918	6	-8.5	13.6	7	48	30	4										
700	3207	0	8.9	14.4	0	36	280	3	700	3274	1	11.3	18.3	1	29	290	6	700	3221	5	12.6	15.5	7	26	120	2										
850	1562	0	22.6	25.9	0	34	180	2	850	1558	1	24.1	20.8	1	75	80	7	850	1548	5	27.0	26.8	6	44	160	6										
926	*	773	28.0	26.8					980	*	293	32.5	21.8					867	*	1378	27.8	23.8														
AFRICA - UNITED KINGDOM (OCEAN IS.) ST. HELENA IS.																		AFRICA - USA (OCEAN ISLANDS) DIEGO GARCIA																		
61901	SEP 1988	1556S	00540W	OB 2					61967	SEP 1988	0721S	07229E	OB 1					61996	SEP 1988	3748S	07732E	OB 2														
030	23853	5	-56.1			1	97	86	11	030								030	24084	19	-48.6															
050	20659	2	-64.3			0	75	80	5	050								050	20745	0	-50.8															
100	16562	1	-75.1			0	86	285	7	100	16538	15	-76.8	12.6				100	16274	0	-54.5															
150	14179	1	-67.2			0	88	268	12	150	14163	7	-68.5	10.6	7	95	56	20	150	13667	0	-51.6														
200	12393	0	-54.0			0	77	296	13	200	12383	5	-54.9	8.9	5	95	62	15	200	11793	0	-49.3														
300	9674	0	-33.0	28.7	0	64	277	9	300	9659	4	-31.4	8.3	4	90	77	9	300	9106	0	-42.4	14.2		7	83	279	21									
500	5880	0	-6.3	37.2	0	19	118	2	500	5842	4	-6.0	8.2	4	47	69	3	500	5516	0	-21.5	13.3	7	83	279	21										
700	3177	0	9.7	25.0	0	37	16	3	700	3129	3	9.1	7.0	3	60	102	3	700	2954	0	-5.4	12.0	1	91	276	18										
850	1540	0	16.4	22.4	0	86	112	6	850	1492	3	12.0	2.9	3	61	106	4	850	1410	0	1.7	5.2	0	89	279	16										
990	*	436	16.9	3.5					1007	*	81	29.0	9.4					1004	*	29	12.4	3.5														
AFRICA - FRANCE (OCEAN ISLANDS) PORT-AUX-FRANCAIS (ILES KER.)																		AFRICA - LIBYAN ARAB JAMAHIRIYA TRIPOLI INTL AIRPORT																		
61998	SEP 1988	4921S	07015E	OB 2					62010	SEP 1988	3240N	01309E	OB 3					62053	SEP 1988	3205N	02016E	OB 3														
030									030								030																			
050									050	20918	0	-59.1	26.2	3	91	99	9	050	20868	-59.0																
100									100	16708	0	-65.6	23.2	2	60	246	5	100	16638	-68.9																
150	13222	0	-45.5			2	91	269	30	150	14248	0	-60.7	24.3	0	89	258	16	150	14178	-61.3															
200	11314	0	-47.8			1	85	270	30	200	12417	0	-50.9	25.0	0	87	260	17	200	12352	-51.7															
300	8671	0	-49.8			1	85	270	20	300	9677	0	-33.9	25.5	0	73	272	11	300	9631	-35.7															
500	5204	0	-30.5	11.6	1	85	270	20	500	5906	0	-8.3	23.6	1	51	300	5	500	5880	-8.6			</td													

AFRICA-SEYCHELLES

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND									
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED				
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps							
AFRICA - SEYCHELLES SEYCHELLES INT'L API (RAW STN) 63985 SEP 1988 0441S 05532E OB 2																														
030	23784	3	-59.8		9	89	90	10	030							030	23800	8	-57.2	9	96	95	15	030	23941	13	-51.9			
050	20636	1	-65.7		3	95	271	13	050							050	20613	6	-63.3	6	79	65	8	050	20581	13	-51.5			
100	16552	1	-77.2		0	17	258	1	100	16565	3	-74.0				100	16840	5	-74.4	5	80	272	8	100	16027	5	-50.3			
150	14760	0	-66.0		0	84	81	12	150	14189	1	-66.7				150	14102	3	-66.8	5	81	271	12	150	13382	4	-50.0			
200	12386	0	-54.3		0	96	74	20	200	12396	1	-53.8				200	12320	3	-55.6	3	78	275	14	200	11505	4	-51.3			
300	9657	0	-32.3	16.6	9	75	96	7	300	9668	1	-32.4	28.8	1	49	270	7	300	9691	1	-32.7	23.8	1	50	297	1	300	5895	1	-6.1
500	5842	0	-5.2	21.6	0	26	169	2	500	5851	1	-5.9	38.0	0	52	159	6	500	5895	1	-32.7	23.8	1	50	96	5	500	3177	1	9.9
700	3129	0	9.8	15.8	0	40	245	3	700	3164	0	7.9	29.8	0	59	148	5	700	3177	1	9.9	20.7	1	69	100	6	700	850	0	16.4
850	1493	0	16.8	5.3	0	74	138	5	850	1543	0	14.7	9.3	0	78	103	5	850	1543	0	16.4	11.2	1	88	56	4	850	879	*	1276
1009	*	4	27.6	3.9					1009	*	1276					1009	*	1200					1009	*	1472					
AFRICA - ZIMBABWE BULAWAYO (GOETZ OBSY.) 67964 SEP 1988 2009S 02837E OB 1																														
030	23956	9	-55.7						030	23800	8	-57.2				030	23941	13	-51.9					030	23941	13	-51.9			
050	20745	8	-63.0						050	20613	6	-63.3				050	20581	13	-51.5					050	20581	13	-51.5			
100	16615	2	-73.9						100	16840	5	-74.4				100	16027	5	-50.3					100	16027	5	-50.3			
150	14214	1	-65.5						150	14102	3	-66.8				150	13382	4	-50.0					150	13382	4	-50.0			
200	12413	0	-63.3	17.0					200	12320	3	-55.6				200	11505	4	-51.3					200	11505	4	-51.3			
300	9684	0	-33.1	21.0					300	9621	2	-35.1	25.2	3	70	283	13	300	8904	3	-52.2					300	8904	3	-52.2	
500	5893	0	-7.1	27.7					500	5862	1	-8.8	28.7	1	56	290	6	500	5409	2	-27.0	7.8	2	52	267	6	500	500		
700	3182	0	10.1	19.9					700	3171	1	8.1	23.9	1	24	328	2	700	2902	2	-11.4	6.8	3	48	266	4	700	700		
850	1544	0	17.2	12.8					850	1552	1	13.2	9.7	7	71	68	4	850	1392	2	-4.0	7.4	3	40	269	3	850	883	*	1200
871	*	1344	15.8	8.2					871	*	1200					871	*	1200					871	*	1200					
N AMERICA - USA BARTER ISLAND, AK. 70086 SEP 1988 7008N 14338W OB 2																														
030	23846	9	-53.4		9	94	256	6	030	23800	8	-57.2				030	23880	6	-52.7					030	23880	6	-52.7			
050	20552	9	-52.5		9	89	251	6	050	20613	6	-63.3				050	20582	6	-52.5					050	20582	6	-52.5			
100	16043	3	-50.5		3	89	249	7	100	16099	2	-49.5				100	16078	2	-50.7					100	16078	2	-50.7			
150	13397	3	-50.2		3	85	251	8	150	13449	1	-49.4				150	13437	2	-50.5					150	13437	2	-50.5			
200	11525	3	-51.8		3	68	245	8	200	11563	0	-50.5				200	11560	3	-51.3					200	11560	3	-51.3			
300	8924	3	-51.2		3	51	241	8	300	8951	0	-50.6				300	8948	2	-50.3					300	8948	2	-50.3			
500	5420	2	-26.4	6.4	2	61	241	6	500	5438	0	-25.3	7.3	1	20	317	2	500	5431	2	-25.6	6.2	2	30	351	3	500	5431	2	-25.6
700	2906	2	-10.7	5.2	2	56	248	6	700	2913	0	-9.9	7.0	1	15	233	1	700	2910	2	-9.8	6.3	2	13	330	1	700	700		
850	1389	2	-2.7	6.2	2	61	257	4	850	1390	0	-2.2	3.6	0	15	185	1	850	1386	2	-1.3	3.1	2	30	60	0	850	1008	*	1200
1009	*	15	-1.6	0.8					1009	*	1200					1009	*	1200					1009	*	1200					
N AMERICA - USA BETHEL/BETHEL AIRPORT, AK. 70219 SEP 1988 6047N 16148W OB 2																														
030	23935	8	-51.9		9	83	258	5	030	23916	10	-53.0				030	23957	7	-52.4					030	23957	7	-52.4			
050	20632	7	-52.2		7	79	248	6	050	20629	9	-53.1				050	20662	7	-53.2					050	20662	7	-53.2			
100	16123	3	-50.6		3	74	263	7	100	16124	2	-7.1	7.6	3	33	281	3	100	16180	3	-51.8					100	16180	3	-51.8	
150	13473	2	-49.8		2	62	272	6	150	13480	3	-49.6				150	13454	3	-50.3					150	13454	3	-50.3			
200	11587	2	-49.8		2	50	286	6	200	11595	3	-48.8				200	11662	3	-49.6					200	11662	3	-49.6			
300	8961	2	-50.4		2	39	309	5	300	8948	2	-51.0				300	9008	3	-47.3					300	9008	3	-47.3			
500	5445	2	-25.1	8.0	2	20	339	2	500	5454	2	-26.4	7.1	3	51	178	4	500	5468	2	-23.5	8.1	3	59	285	8	500	5468	2	-23.5
700	2916	2	-8.9	5.0	2	70	221	1	700	2933	2	-9.3	4.4	2	54	159	4	700	2921	2	-7.1	7.6	3	33	281	3	700	2921	2	-7.1
850	1387	2	-0.7	2.8	2	17	83	1	850	1402	2	0.4	3.7	2	50	133	3	850	1405	0	-0.2	2.4	3	29	296	2	850	1004	*	1200
1004	*	46	4.8	1.2					1004	*	1200					1004	*	1200					1004	*	1200					
N AMERICA - USA YAKUTAT, AK. 70361 SEP 1988 5931N 13940W OB 2																														
030	23941	8	-53.5		9	86	275	5	030	23827	7	-54.4				030	23872	7	-53.7					030	23872	7	-53.7			
050	20647	6	-53.4		7	79	248	6	050</																					

N AMER-CANADA

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED		
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps					
N AMERICA - CANADA ALERT, N.W.T. 71082 SEP 1988 8230N 06220W OB 2																												
030								030		23998	2	-54.5		0	77	286	4	030		24100	2	-51.5		0	61	276	2	
050								050		20749	1	-56.1		0	88	282	6	050		20798	0	-55.1		0	88	283	5	
100								100		16332	0	-57.0		0	92	274	13	100		16408	0	-58.0		0	94	281	15	
150	13267	0	-46.1		0	89	265	11	150		13755	0	-55.1		0	90	279	20	150		13843	0	-55.5		0	94	283	26
200	11354	0	-46.1		0	77	254	14	200		11914	0	-53.5		0	86	280	23	200		12001	0	-53.0		0	92	284	30
300	8696	0	-52.2	8.0	0	77	254	14	300		9264	0	-43.4	9.4	0	86	278	24	300		9334	0	-40.9	11.5	0	91	286	30
500	5253	0	-32.4	6.3	0	78	258	10	500		5641	0	-18.1	9.7	0	89	278	14	500		5663	0	-14.8	13.2	0	92	286	20
700	2808	0	-17.9	4.4	0	75	257	7	700		3047	0	-2.1	9.5	0	84	283	9	700		3042	0	-1.0	10.3	0	87	285	13
850	1334	0	-10.5	4.5	0	76	263	6	850		1474	0	7.9	9.4	0	41	291	3	850		1471	0	5.8	7.6	0	77	276	9
1000	*	63	-7.7	2.2				926	*	766	6.8	2.2						995	*	170	8.7	1.0						
N AMERICA - CANADA STEPHENVILLE, NFLD. 71815 SEP 1988 4832N 05833W OB 2																												
030	24112	2	-50.9		2	51	249	2	030		24027	2	-51.7		1	90	278	5	030									
050	20806	2	-53.2		3	87	260	4	050		20756	0	-54.5		1	91	286	6	050									
100	16358	1	-54.5		3	90	268	13	100		16330	0	-54.7		1	94	287	15	100									
150	13752	0	-52.9		4	87	269	19	150		13720	0	-52.6		1	93	287	21	150		13774	0	-52.5		0	84	277	25
200	11888	0	-50.5		4	80	269	24	200		11861	0	-52.4		1	92	288	25	200		11926	0	-52.5		0	81	275	26
300	9211	0	-42.5	12.0	2	81	264	25	300		9197	0	-43.4	11.6	1	84	288	23	300		9266	0	-42.8	10.6	0	85	269	16
500	5579	0	-17.7	14.0	0	85	264	18	500		5572	0	-18.0	13.0	1	85	288	16	500		5634	0	-18.3	9.6	0	85	259	8
700	2987	0	-3.4	12.1	0	85	266	12	700		2985	0	-4.3	8.0	1	82	285	10	700		3046	0	-3.3	7.9	0	82	259	8
850	1433	0	3.1	4.0	0	79	259	9	850		1432	0	2.9	4.4	1	71	283	7	850		1482	0	6.7	8.2	0	66	245	5
999	*	61	10.7	1.8	1.8	10	7.2	1.1	1011	*	10	7.2	1.1					937	*	676	5.2	2.2						
N AMERICA - CANADA FROBISHER BAY, N.W.T. 71909 SEP 1988 6345N 06833W OB 2																												
030								030		23829	3	-52.2		1	86	273	6	030		23929	9	-53.2		5	83	286	6	
050								050		20518	4	-50.9		1	93	268	7	050		20650	8	-52.7		4	84	288	6	
100								100		15974	4	-48.4		0	94	264	9	100		16152	7	-50.6		2	87	282	8	
150	13512	1	-50.2		0	36	264	5	150		13298	4	-46.8		0	95	267	11	150		13511	7	-49.9		2	81	283	9
200	11626	1	-50.2		0	13	256	3	200		11384	5	-46.9		0	92	267	12	200		11637	6	-50.1		2	70	283	8
300	8994	1	-47.9	10.1	0	13	256	3	300		8741	3	-52.3	7.5	0	81	273	15	300		8997	6	-47.8	8.0	2	49	281	7
500	5442	1	-23.3	10.4	0	2	0	500		5293	2	-30.5	7.9	0	79	271	11	500		5464	5	-24.0	7.8	2	32	265	3	
700	2903	1	-8.9	9.6	0	13	25	1	700		2827	2	-16.0	6.2	0	70	268	7	700		2931	4	-9.0	8.3	3	30	266	2
850	1380	1	-2.8	5.2	0	6	58	1	850		1345	2	-9.7	3.8	1	55	247	4	850		1406	4	-1.6	4.4	3	23	192	2
1000	*	21	2.1	1.9				1009	*	10	-6.3	2.3						1006	*	49	2.9	1.1						
N AMERICA - CANADA INUVIK, N.W.T. 71957 SEP 1988 6819N 13332W OB 2																												
030	23863	5	-53.9		1	95	257	7	030		20783	9	-59.5		9	96	84	7	030									
050	20582	4	-53.1		1	96	252	7	050		16597	6	-74.1		6	79	281	5	050									
100	16084	0	-50.4		0	93	247	9	100		14191	3	-65.3		3	91	260	15	100		16623	6	-77.8		6	46	96	3
150	13435	0	-49.9		0	87	243	9	150		12391	3	-53.5		3	85	260	15	150		14252	5	-66.6		5	4	232	0
200	11556	0	-51.3		0	77	243	9	200		9662	2	-33.3		2	76	254	12	200		12455	5	-52.9		5	10	314	1
300	8943	0	-50.7	8.1	0	47	223	6	300		5875	2	-7.2	8.6	2	51	253	4	300		9707	5	-30.8		5	6	282	1
500	5433	1	-25.7	8.0	0	45	255	4	500		5862	2	-7.8	8.6	2	51	253	4	500		5884	5	-5.4	9.7	5	45	90	4
700	2918	0	-10.2	7.2	0	52	261	4	700		3168	2	8.7	9.4	2	55	255	0	700		3160	5	9.6	5	5	59	96	5
850	1397	0	-2.1	5.1	0	40	272	3	850		1534	2	16.8	5.8	2	27	203	2	850		1520	5	17.9	2.8	6	59	138	5
999	*	103	1.8	2.3				1000	*	124	20.5	2.2						1011	*	6	23.2	0.8						
N AMERICA - USA SAN DIEGO/MONTGOMERY FLD, CA. 72290 SEP 1988 3249N 11708W OB 2																												
030	24019	3	-53.5		4	98	90	10	030		24074	6	-53.9		6	89	88	6	030		24071	11	-52.5					
050	20782	3	-60.4		3	97	88	7	050		20823	4	-59.1		4	74	67	3	050		20810	11	-58.2					
100	16575	2	-71.1		4	72	272	6	100		16599	2	-70.6		3	91	282	10	100		16576	5	-69.5		5	93	272	10
150	14145	2	-63.8		3	90	267																					

N AMER-USA

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND																											
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED																						
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps																									
N AMERICA - USA																																																
OKLAHOMA CITY/W.R.WORLD, OK.	72353	SEP 1988	3524N	09736W	OB 2	72403	SEP 1988	3859N	07729W	OB 2	72429	SEP 1988	3952N	08407W	OB 2																																	
030 24046 6 -53.1	050 20796 6 -59.2	100 16570 4 -70.6	150 14138 3 -63.8	200 12330 3 -53.6	300 9616 3 -35.1	500 5851 2 -8.4	700 3156 2 8.0	850 1524 2 17.1	969 * 397	030 24100 8 -51.5	050 20819 7 -56.7	100 16539 5 -67.2	150 14078 5 -62.9	200 12274 5 -55.0	300 9579 5 -36.4	500 5831 3 -9.8	700 3152 3 5.9	850 1541 3 12.3	1009 *	030 24099 6 -51.8	050 20822 5 -57.2	100 16534 4 -66.8	150 14070 3 -62.4	200 12262 3 -54.6	300 9569 2 -36.6	500 5826 2 -9.7	700 3150 2 5.5	850 1535 2 13.6	983 * 306	6 69 75 3	6 31 20 1	7 96 280 12	7 96 279 20	5 92 276 24	4 91 274 18	2 90 271 12	6 75 267 6	5 67 258 5										
NORTH PLATTE/LEE BIRD, NE.	72562	SEP 1988	4108N	10041W	OB 2	MEDFORD/MEDFORD-JACKSON, OR.	72597	SEP 1988	4222N	12252W	OB 2	ST. CLOUD/WHITNEY, MN.	72655	SEP 1988	4533N	09404W	OB 2																															
030 24045 5 -53.1	050 20796 4 -58.4	100 16514 3 -65.2	150 14018 2 -59.6	200 12193 2 -53.1	300 9498 2 -38.2	500 5782 2 -11.7	700 3115 2 6.2	850 1493 2 14.3	917 * 849	030 24055 6 -53.2	050 20803 4 -58.4	100 16508 2 -64.5	150 14014 2 -60.9	200 12208 2 -56.0	300 9533 2 -38.6	500 5809 2 -10.4	700 3133 2 6.0	850 1520 2 13.1	970 * 405	6 15 357 1	5 18 308 1	4 81 273 9	4 81 274 15	4 74 288 16	2 56 303 12	2 49 308 7	2 26 293 2	2 31 109 1	977 * 312	030 24064 7 -51.1	050 20790 5 -56.3	100 16458 2 -60.8	150 13928 2 -58.9	200 12107 2 -54.8	300 9443 2 -40.1	500 5747 2 -12.5	700 3094 2 3.6	850 1494 2 11.6	977 * 312	7 21 291 1	5 66 296 3	3 84 269 13	2 82 268 22	3 79 264 27	2 75 264 21	2 72 269 14	3 68 273 10	3 56 265 7
INT. FALLS/FALLS INTL, MN.	72747	SEP 1988	4834N	09323W	OB 2	BISMARCK/MUN., ND.	72764	SEP 1988	4646N	10045W	OB 2	GREAT FALLS/INTL, MT.	72775	SEP 1988	4729N	11122W	OB 2																															
030 24057 7 -51.6	050 20780 4 -55.9	100 16396 4 -58.1	150 13831 3 -55.9	200 11994 4 -54.3	300 9342 3 -41.6	500 5673 2 -14.6	700 3045 2 0.2	850 1464 2 7.0	971 * 361	030 24044 9 -52.0	050 20764 4 -57.4	100 16426 3 -60.2	150 13893 3 -58.0	200 12062 2 -54.9	300 9405 2 -41.3	500 5724 2 -13.6	700 3080 2 2.5	850 1486 2 10.2	956 * 506	9 59 298 2	6 67 283 3	4 85 272 11	4 83 270 22	3 72 268 22	2 63 269 16	2 71 277 13	2 68 291 8	2 43 324 4	977 * 1115	030 24020 7 -53.1	050 20771 4 -57.6	100 16422 3 -60.2	150 13885 3 -57.7	200 12062 3 -55.4	300 9412 3 -41.5	500 5736 2 -14.1	700 3099 2 3.6	850 1505 2 11.3	977 * 1115	4 50 274 2	4 82 280 9	3 70 284 13	3 60 288 14	3 51 286 13	2 59 290 10	3 59 283 5	3 59 283 5	3 48 260 3
SPOKANE/INTL, WA.	72785	SEP 1988	4738N	11732W	OB 2	QUILLAYUTE, WA.	72797	SEP 1988	4756N	12433W	OB 2	BERMUDA NAS KINOLEY	78016	SEP 1988	3222N	06441W	OB 2																															
NASSAU AIRPORT	78073	SEP 1988	2503N	07728W	OB 2	KINGSTON/NORMAN MANLEY	78397	SEP 1988	1756N	07647W	OB 2	JUAN SANTAMARIA	78762	SEP 1988	1000N	08413W	OB 2																															
030 24041 5 -53.6	050 20779 3 -57.5	100 16436 3 -60.8	150 13896 2 -58.1	200 12070 2 -55.2	300 9414 2 -40.8	500 5736 2 -13.9	700 3100 2 1.5	850 1507 2 11.2	933 * 721	030 24044 9 -52.0	050 20788 7 -57.2	100 16436 6 -60.6	150 13912 5 -58.9	200 12097 5 -55.8	300 9436 5 -40.1	500 5746 4 -13.8	700 3102 3 1.9	850 1513 3 9.4	1011 * 62	9 59 298 2	7 64 282 3	6 84 275 11	6 83 277 19	5 74 286 20	2 67 288 18	4 71 287 13	2 68 291 8	2 43 324 4	1015 * 6	030 24112 14 -52.6	050 20849 7 -58.8	100 16594 5 -69.0	150 14156 5 -63.7	200 12663 4 -55.2	300 9652 4 -35.0	500 5882 3 -8.3	700 3188 3 8.0	850 1561 3 14.8	1015 * 6	8 94 84 6	6 70 300 5	5 67 311 8	5 59 312 7	4 60 299 7	3 59 294 2	2 39 294 2	2 26 332 2	
N AMERICA - BAHAMAS						N AMERICA - JAMAICA					N AMERICA - COSTA RICA																																					
030 24000 2 -53.3	050 20770 1 -61.5	100 16620 0 -76.3	150 14210 0 -68.8	200 11242 0 -53.7	300 9686 0 -32.8	500 5889 0 -6.9	700 3182 0 8.8	850 1507 0 13.8	1016 * 7	030 23873 7 -55.7	050 20679 6 -63.3	100 16555 6 -75.4	150 14174 7 -68.1	200 12390 6 -54.8	300 9668 6 -32.8	500 5865 6 -6.6	700 3155 6 9.0	850 1517 6 17.5	1011 * 14	7 99 95 22	6 99 88 16	6 76 75 8	6 37 318 12	6 52 290 15	200 12395 15 -54.0	300 9657 15 -31.2	500 5846 16 -6.4	700 3137 16 9.7	850 1500 16 17.7	9 99 89 18	9 94 82 6	9 90 98 6	9 77 113 8	9 22 108 6	9 26 161 5	9 46 123 6	9 37 95 4											

N AMER-TRINIDAD TOBAGO UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm	°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps	mb	gpm	°C	°C	%	o	mps
N AMERICA - TRINIDAD AND TOBAGO PIARCO INTL AIRPORT, TRINIDAD 78970 SEP 1988 1037N 06121W OB 3																											
030	23837	17	-58.1		9	99	90	18	030	23871	7	-55.3		9	61	103	9	030	23962	6	-53.9		9	77	106	15	
050	20671	14	-64.7		9	89	85	5	050	20646	5	-60.9		6	39	283	5	050	20721	2	-58.8		6	45	263	7	
100	16553	5	-76.7		7	75	90	5	100	16454	1	-71.6		1	88	273	23	100	16510	0	-68.8		5	87	267	21	
150	14190	2	-68.7		3	39	360	4	150	14031	1	-65.2		1	92	282	29	150	14044	0	-61.8		3	95	275	38	
200	12417	2	-54.9		3	27	45	2	200	12237	1	-54.5		1	89	278	30	200	12236	0	-54.9		3	93	272	44	
300	9684	2	-32.3	12.9	3	65	90	4	300	9536	1	-35.4	14.5	1	90	287	28	300	9544	0	-37.1	12.2	3	93	279	38	
500	5872	2	-6.1	12.0	2	84	95	6	500	5791	1	-9.5	17.2	1	88	287	15	500	5805	0	-10.1	13.1	3	86	283	17	
700	3160	2	8.8	7.2	3	81	100	6	700	3107	1	6.2	11.1	1	75	343	4	700	3131	0	5.2	8.3	1	69	303	11	
850	1522	2	18.0	4.5	4	79	100	6	850	1506	2	10.4	4.5	1	69	81	1	850	1516	0	13.8	10.5	1	14	65	1	
1011	*	15	25.6	1.4					887	* 1221		9.1	3.4					1010	*	52		14.8	2.5				
S AMERICA - ARGENTINA CORDOBA AERO 87344 SEP 1988 3119S 06413W OB 2																											
030	23896	13	-54.4		9	30	122	3	030	23972	11	-53.7		9	41	258	3	030	23879	12	-55.2		9	57	268	7	
050	20643	7	-59.8		9	68	272	8	050	20690	9	-58.2		9	56	230	4	050	20655	6	-58.4		9	72	258	11	
100	16381	2	-64.6		9	95	286	25	100	16383	3	-61.7		9	87	295	18	100	16341	2	-62.3		5	89	268	20	
150	13866	1	-58.5		9	94	285	32	150	13840	1	-55.9		9	81	268	18	150	13807	1	-57.3		3	88	270	26	
200	12036	1	-52.9		5	88	287	33	200	11989	1	-51.1		9	92	267	29	200	11971	2	-52.7		3	85	279	31	
300	9359	0	-41.2	20.7	0	91	284	31	300	9315	0	-42.3	18.2	3	79	263	23	300	9307	1	-42.9	19.2	2	87	276	27	
500	5712	0	-15.9	19.9	0	83	291	13	500	5687	0	-18.0	16.8	0	83	279	14	500	5685	1	-17.6	17.5	1	86	267	18	
700	3088	1	1.5	17.8	0	57	324	7	700	3080	0	0.2	14.1	0	60	324	5	700	3081	2	-1.1	17.0	1	56	251	6	
850	1506	0	8.2	12.1	0	30	38	2	850	1506	0	7.0	9.4	0	47	153	3	850	1511	1	6.4	15.9	1	18	228	2	
962	*	474	9.4	5.6					937	* 704		7.2	7.4					1018	*	20		8.7	2.7				
S AMERICA - ARGENTINA SANTA ROSA AERO 87623 SEP 1988 3634S 06416W OB 2																											
030	23839	10	-54.9		9	85	279	14	030	23828	7	-55.7		7	89	275	16	030	23567	6	-58.6		6	96	277	41	
050	20577	5	-58.2		8	55	268	10	050	20575	3	-57.5		3	92	272	17	050	20384	3	-59.1		6	95	272	34	
100	16244	0	-60.3		3	95	276	29	100	16222	1	-58.4		1	94	275	22	100	16018	2	-58.1		5	94	271	28	
150	13694	0	-55.5		2	94	282	32	150	13652	1	-54.5		1	93	275	23	150	13458	1	-56.6		3	91	267	25	
200	11853	0	-52.2		1	90	279	30	200	11797	1	-52.1	31.4	1	88	276	22	200	11637	0	-57.9		2	83	262	20	
300	9214	1	-46.1	18.3	0	82	276	20	300	9171	1	-47.8	20.5	1	59	282	15	300	9062	0	-50.0	16.3	3	66	258	15	
500	5642	1	-19.4	18.3	0	72	279	11	500	5615	2	-21.9	18.6	1	58	278	9	500	5531	0	-23.6	14.4	2	69	253	11	
700	3061	0	-2.7	15.8	0	46	283	5	700	3051	1	-5.0	17.4	1	39	266	4	700	2991	0	-7.1	15.2	2	72	249	7	
850	1494	0	5.7	12.0	0	11	277	1	850	1499	1	4.5	13.1	1	33	252	3	850	1450	1	2.6	12.7	2	71	247	6	
995	*	191	5.8	2.8					987	*	271		5.1	6.5				1009	*	46		7.0	8.9				
ANTARCTICA - SOUTH AFRICA S.A.N.A.E. STATION 89001 SEP 1988 7018S 00221W OB 1																											
030									030	22756	7	-44.1						030	19806	4	-45.7			4	98	277	3
050									050	19383	1	-50.7						050	15260	0	-55.5			0	96	271	35
100	14771	2	-75.2		5	80	243	12	100	14993	1	-63.0		4	90	281	23	100	12712	0	-60.8		0	93	272	24	
150	12413	1	-73.2		1	71	224	8	150	12525	0	-67.2		5	86	285	15	150	12712	0	-63.0		0	84	270	17	
200	10716	1	-70.2		1	55	209	7	200	10793	0	-67.8		4	68	297	10	200	10637	0	-63.0		0	83	269	14	
300	8264	1	-61.0	9.3	1	42	183	6	300	8319	0	-59.1		4	37	313	6	300	8418	0	-53.4		0	63	269	14	
500	4933	1	-38.6	9.6	1	45	171	6	500	4964	0	-37.5	7.4	4	50	28	5	500	5030	0	-34.3	7.3	0	61	260	11	
700	2554	1	-25.4	7.8	1	55	122	6	700	2567	0	-23.2	6.0	2	56	58	5	700	2600	0	-19.3	7.7	0	36	242	5	
850	1132	1	-20.2	5.9	1	67	106	8	850	1134	0	-19.7	2.9	5	91	50	9	850	1346	0	-14.2	8.9	0	20	155	2	
983	*	62	-28.2	3.1					987	*	13		-15.0	3.4				985	*	15		-15.6	2.9				
SW PACIFIC - USA (PACIFIC OCEAN NORTH) MIDWAY ISLAND 91066 SEP 1988 2813N 17722W OB 2																											
030									030	23938	3	-55.1						030	23989	10	-55.9			9	99	88	21
050									050	20735	3	-62.8						050	20708	10	-63.5			9	99	90	12
100	16571	4	-71.1		5	74	47	6	100	16580	2	-72.3		2	62	195	3	100	16582	3	-74.7		4	64	154	3	
150	14153	4	-65.7		4</td																						

SW PAC-USA

UPPER AIR LATE REPORTS

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	
SW PACIFIC - USA (PACIFIC OCEAN NORTH)																											
TRUK, CAROLINE IS.																											
91334 SEP 1988 0728N 15151E 0B 2									91557 SEP 1988 1742S 16818E 0B 1									91592 SEP 1988 2216S 16627E 0B 1									
030	23938	3	-57.0			4	99	89	17	030	23908	5	-53.8	30.2	5	71	72	5	030	23780	9	-55.1		9	90	94	12
050	20752	4	-64.2			3	85	85	4	050	20680	3	-61.9	26.6	3	64	97	4	050	20668	4	-62.6		9	81	100	6
100	16624	0	-76.9			0	44	61	3	100	16564	2	-51.2	13.5	2	89	263	10	100	16527	1	-73.3		2	94	266	15
150	14271	1	-67.6			0	47	20	6	150	14195	1	-56.3	31.4	2	91	258	19	150	14117	1	-64.9		1	96	267	28
200	12479	0	-53.2			2	50	30	5	200	12407	1	-53.9	16.3	1	92	261	21	200	12315	0	-53.8		0	94	269	31
300	9724	0	-30.1	8.9		1	73	69	5	300	9674	1	-32.0	19.9	1	85	266	15	300	9599	0	-34.3	18.2	0	90	272	23
500	5882	0	-4.6	7.0		1	83	91	5	500	5873	1	-6.2	24.8	1	55	263	5	500	5840	0	-8.9	20.9	0	78	279	10
700	3156	0	10.1	5.8		2	83	100	6	700	3164	0	9.1	20.6	1	32	295	2	700	3153	0	7.0	22.3	0	45	301	3
850	1511	2	17.9	2.7		3	74	140	7	850	1534	1	14.7	4.6	1	78	91	5	850	1540	0	11.6	5.0	0	44	50	3
1009	*	2	29.2	4.7					1013	*	21	25.6	5.3					1010	*	72	23.6	6.5					
SW PACIFIC - USA (SAMOA)									SW PACIFIC - AUSTRALIA									SW PACIFIC - AUSTRALIA									
PAGO PAGO/INT. AIRPORT									DARWIN AIRPORT									GOVE AIRPORT									
91765 SEP 1988 1420S 17043W 0B 2									94120 SEP 1988 1224S 13052E 0B /									94150 SEP 1988 1216S 13649E 0B /									
030	23859	7	-54.8			7	97	91	9	030	23816	4	-57.8		4	97	91	13	030	23804	12	-58.3		3	97	92	12
050	20661	6	-65.3			6	30	24	1	050	20636	0	-63.7		1	44	129	2	050	20631	7	-64.5		3	47	164	2
100	16562	3	-74.8			3	95	280	12	100	16584	0	-80.7		0	43	216	3	100	16578	5	-81.1		0	67	232	5
150	14173	3	-66.9			3	94	268	16	150	14240	0	-67.6		0	58	268	7	150	14233	1	-67.9		0	68	268	7
200	12385	2	-54.8			2	84	271	15	200	12450	0	-53.1		0	58	284	6	200	12420	1	-53.2		1	69	282	7
300	9669	2	-33.4			2	82	274	11	300	9701	0	-29.9		0	73	256	6	300	9694	0	-30.1		3	72	260	6
500	5878	2	-7.0	7.5		2	44	5	3	500	5866	0	-5.1	20.0	0	15	287	1	500	5867	0	-5.4	22.1	0	25	296	1
700	3169	2	8.3	5.2		2	81	68	5	700	3157	0	8.8	12.4	0	71	122	5	700	3155	0	9.0	12.6	1	81	114	5
850	1534	2	16.3	4.1		2	93	87	9	850	1522	0	18.3	9.7	3	93	103	8	850	1552	0	18.3	10.0	0	94	108	11
1013	*	3	25.6	2.4					1013	*	30	27.0	4.3					1006	*	54	22.7	6.2					
SW PACIFIC - AUSTRALIA									WILLIS ISLAND									PORT HEDLAND AIRPORT									
94294 SEP 1988 1915S 14645E 0B 1									94299 SEP 1988 1618S 14959E 0B /									94312 SEP 1988 2022S 11837E 0B /									
030	23849	2	-56.4			2	98	90	14	030	23820	5	-57.0		7	95	86	12	030	23723	4	-53.5		7	99	91	18
050	20654	1	-63.3			1	95	103	8	050	20637	0	-63.7		0	89	106	7	050	20667	3	-62.8		2	97	104	11
100	16549	1	-77.0			0	91	261	14	100	16551	0	-78.3		0	81	255	9	100	16563	2	-77.5		1	86	259	12
150	14175	0	-66.8			0	93	269	24	150	14196	0	-67.9		0	88	269	17	150	14910	1	-66.7		1	88	261	20
200	12381	0	-53.4			0	92	268	25	200	12409	0	-53.7		0	89	275	17	200	12397	1	-53.1		1	89	261	21
300	9649	0	-32.4			0	91	269	20	300	9673	0	-31.6		0	85	267	13	300	9655	1	-31.5		1	89	258	18
500	5858	0	-7.3	27.2		0	80	272	10	500	5867	0	-6.6	18.8	0	58	289	5	500	5847	0	-5.7	35.9	0	76	255	9
700	3159	0	7.7	21.0		0	41	261	3	700	3157	0	8.9	11.3	0	37	337	2	700	3143	0	6.9	25.1	0	44	332	3
850	1538	0	14.9	13.0		0	51	99	3	850	1522	0	15.8	7.0	1	80	101	5	850	1521	0	17.3	21.0	0	16	313	1
955	*	544	18.5	19.5					976	*	342	24.4	22.2					948	*	599	20.4	22.8					
SW PACIFIC - AUSTRALIA									CHARLEVILLE AIRPORT									MOREE									
94510 SEP 1988 2625S 14616E 0B 1									94527 SEP 1988 2928S 14951E 0B /									94578 SEP 1988 2726S 15305E 0B 1									
030	23900	2	-55.4			7	99	93	18	030	23957	12	-54.5						030	23898	4	-55.3		5	99	92	17
050	20680	2	-60.3			6	96	92	10	050	20711	0	-58.1						050	20676	1	-59.9		4	94	100	9
100	16465	1	-69.1			3	93	264	16	100	16430	0	-64.7						100	16439	0	-67.5		1	93	268	18
150	14012	1	-62.3			1	96	265	34	150	13931	0	-58.7		9	93	268	29	150	13974	0	-60.9		1	93	270	32
200	12200	1	-52.6			1	92	267	40	200	12095	0	-51.4		6	92	270	36	200	12153	0	-52.					

SW PAC-AUSTRALIA

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	Steadiness	Direction	SPEED	
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	
SW PACIFIC - AUSTRALIA																											
PERTH AIRPORT																											
94610 SEP 1988 3156S 11557E OB /																											
030	24025	10	-52.2		9	96	96	18	030	23977	12	-54.1		1	99	94	18	030	24044	9	-51.4						
050	20744	5	-56.2		8	82	95	7	050	20726	6	-57.3		8	96	97	10	050	20753	5	-54.6						
100	16412	1	-62.9		4	96	264	20	100	16416	2	-62.8		3	94	266	18	100	16382	3	-60.2						
150	13898	0	-57.9		1	96	267	40	150	13898	2	-57.8		2	95	264	35	150	13838	3	-55.6						
200	12055	0	-50.4		0	96	266	47	200	12113	5	-51.8		7	91	266	23	200	11983	3	-49.9						
300	9346	0	-38.6		0	95	267	43	300	9405	5	-37.2		93	259	44	300	9283	1	-40.7							
500	5672	0	-15.2	9.9	0	92	270	25	500	5712	5	-14.1	20.7	7	91	266	23	500	5634	0	-17.0	17.4	9	87	268	24	
700	3054	0	0.3	14.2	1	85	274	15	700	3079	5	1.4	22.7	5	85	277	13	700	3036	0	-1.9	17.2	7	86	280	16	
850	1430	0	5.4	4.6	0	80	275	9	850	1496	5	8.5	10.8	2	83	277	9	850	1469	0	5.6	5.9	7	90	279	12	
1014	*	12	12.6	2.6					974	* 360	12.0	6.8					1011	* 26	11.9	3.2							
SW PACIFIC - AUSTRALIA																											
KALGOORLIE AIRPORT																											
94637 SEP 1988 3046S 12127E OB /																											
030	24025	10	-52.2		9	96	96	18	030	23977	12	-54.1		1	99	94	18	030	24044	9	-51.4						
050	20744	5	-56.2		8	82	95	7	050	20726	6	-57.3		8	96	97	10	050	20753	5	-54.6						
100	16412	1	-62.9		4	96	264	20	100	16416	2	-62.8		3	94	266	18	100	16382	3	-60.2						
150	13898	0	-57.9		1	96	267	40	150	13898	2	-57.8		2	95	264	35	150	13838	3	-55.6						
200	12055	0	-50.4		0	96	266	47	200	12113	5	-51.8		7	91	266	23	200	11983	3	-49.9						
300	9346	0	-38.6		0	95	267	43	300	9405	5	-37.2		93	259	44	300	9283	1	-40.7							
500	5672	0	-15.2	9.9	0	92	270	25	500	5712	5	-14.1	20.7	7	91	266	23	500	5634	0	-17.0	17.4	9	87	268	24	
700	3054	0	0.3	14.2	1	85	274	15	700	3079	5	1.4	22.7	5	85	277	13	700	3036	0	-1.9	17.2	7	86	280	16	
850	1430	0	5.4	4.6	0	80	275	9	850	1496	5	8.5	10.8	2	83	277	9	850	1469	0	5.6	5.9	7	90	279	12	
1014	*	12	12.6	2.6					974	* 360	12.0	6.8					1011	* 26	11.9	3.2							
SW PACIFIC - AUSTRALIA																											
ESPERANCE																											
94638 SEP 1988 3349S 12153E OB 1																											
030	24025	9	-51.4						030	24044	5	-54.6						030	24020	5	-52.2						
050	20744	5	-54.6						050	20753	5	-54.6						050	20732	2	-54.5						
100	16382	3	-60.2						100	16343	1	-57.9						100	16337	3	-58.2						
150	13838	3	-55.6						150	13772	1	-53.8						150	13776	1	-54.0						
200	11983	3	-49.9						200	11910	0	-50.5						200	11913	1	-49.2						
300	9283	1	-40.7						300	9219	0	-43.5						300	9250	1	-42.0						
500	5634	0	-17.0	17.4	9	87	268	24	500	5631	0	-19.4	12.1	4	81	269	16	500	5595	1	-17.9	14.6	1	91	268	27	
700	3036	7	13.2						700	3044	0	-2.1	13.3	3	74	275	11	700	3002	1	-2.6	12.4	1	89	269	17	
850	1479	0	6.6	13.1	1	77	290	10	850	1477	0	6.6	13.1	1	77	290	10	850	1447	0	6.6	13.1	1	87	272	14	
1014	*	26	15.2	8.8					1015	* 4	15.2	8.8						1015	* 69	10.1	1.5						
SW PACIFIC - AUSTRALIA																											
COBAR																											
94711 SEP 1988 3129S 14549E OB /																											
030	23987	12	-53.4						030	23987	12	-53.4						030	24038	7	-51.9						
050	20726	3	-56.2						050	20726	3	-56.2						050	20764	7	-56.3						
100	16385	1	-60.5						100	16385	1	-60.5						100	16337	3	-58.2						
150	13845	1	-56.5						150	13845	1	-56.5						150	13776	1	-54.7						
200	11998	1	-50.8						200	11998	1	-50.8						200	11917	2	-50.4						
300	9316	0	-42.1						300	9316	0	-42.1						300	9250	2	-44.3						
500	5687	0	-17.0	13.6	3	72	272	13	500	5687	0	-17.0	13.6	3	72	272	13	500	5643	2	-18.8	11.8					
700	3078	0	0.1	15.6	1	59</																					

SW PAC-AUSTRALIA

UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
SW PACIFIC - AUSTRALIA(ADDITIONAL IS.1 MACQUARIE ISLAND 94998 SEP 1988 5429S 15856E OB 1																										
SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 SEP 1988 0456N 11456E OB 3																										
030	23773	6	-50.6						030	16662	11	-58.0						030	23799	10	-57.7					
050	20430	4	-49.7						050	14230	5	-56.8						050	20630	9	-65.5					
100	15897	1	-51.8						100	12434	5	-55.3						100	16569	3	-80.6					
150	13272	1	-52.2						150	9682	5	-30.5	3.7					150	14225	2	-67.9					
200	11418	1	-54.3						200	5846	6	-5.5	1.0					200	12434	1	-60.3					
300	8819	1	-50.4						300	3127	3	9.4	5.6	4	33	128	2	300	9687	0	-30.3					
500	5310	0	-26.6	6.9	0	76	275	17	500	1487	3	18.4	14.4	4	47	246	2	500	5860	0	-4.6	30.2				
700	2802	0	-10.4	8.4	0	69	276	12	700	1005	*	26.3	24.0					700	3135	0	9.9	21.3				
850	1286	0	-3.1	4.8	0	62	270	9	850	*	15							850	1508	0	14.6	3.0				
997	*	6	4.0	1.8														1012	*	3	25.1	4.3				

STATION LIST RECENT DATA

47409	C	ABASHIRI	JAPAN	84752	C	AREQUIPA	PERU
03091	C	ABERDEEN/DYCE	U KINGDOM	22550	CT	ARHANGEL'SK	USSR
41112	C	ABHA	SAUDI ARABIA	85406	C	ARICA	CHILE
72266	C	ABILENE, TX.	USA	86330	C	ARTIGAS	URUGUAY
41216	C	ABU DHABI BATEEN AIRPORT	U ARAB EMIRATES	47407	C	ASAHIKAWA	JAPAN
41217	CT	ABU DHABI INTL AIRPORT	U ARAB EMIRATES	38880	CT	ASHABAD	USSR
76805	C	ACAPULCO, GRO.	MEXICO	72315	C	ASHEVILLE/REG., NC	USA
80427	C	ACARIGUA	VENEZUELA	63021	CT	ASMARA	ETHIOPIA
17352	CT	ADANA	TURKEY	62414	C	ASSWAN	EGYPT
63450	CT	ADDIS ABABA	ETHIOPIA	72791	C	ASTORIA/CLATSOP, OR.	USA
94672	CT	ADELAIDE AIRPORT	AUSTRALIA	34880	C	ASTRAHAN'	USSR
60620	C	ADRAR	ALGERIA	86218	C	ASUNCION/AEROPUERTO	PARAGUAY
76644	C	AEROP. INTL MERIDA, YUC.	MEXICO	65376	C	ATAKPAME	TOGO
87582	C	AEROPARQUE	ARGENTINA	61421	C	ATAR	MAURITANIA
17190	C	AFYON	TURKEY	16716	C	ATHENS(HELLINIKON)	GREECE
61024	C	AGADEZ	NIGER	16714	C	ATHINAI/OBSERVATORY	GREECE
60250	C	AGADIR	MOROCCO	72219	C	ATLANTA/MUN., GA.	USA
61974	C	AGALEGA	MAURITIUS	72407	C	ATLANTIC CITY, NJ.	USA
42261	C	AGRA	INDIA	91925	CT	ATUONA	FRENCH POLY.
42647	CT	AHMADABAD	INDIA	93119	C	AUCKLAND AIRPORT	N ZEALAND
60560	C	AIN SEFRA	ALGERIA	03322	T	AUGHTON	U KINGDOM
61499	C	AIOUN EL ATROUSS	MAURITANIA	72218	C	AUGUSTA/BUSH FIELD, GA.	USA
07761	CT	AJACCIO	FRANCE	72254	C	AUSTIN/ROBERT MUELLER., TX.	USA
31168	C	AJAN	USSR	84673	C	AYACUCHO	PERU
47582	CT	AKITA	JAPAN	87642	C	AZUL AERO	ARGENTINA
61437	C	AKJOUJT	MAURITANIA	08329	C	BADAJOZ	SPAIN
42933	C	AKOLA	INDIA	83980	C	BAGE	BRAZIL
72521	C	AKRON/AKRON-CANTON REG., OH.	USA	71727	C	BAGOTVILLE, QUE.	CANADA
04063	C	AKUREYRI	ICELAND	98328	C	BAGUIO	PHILIPPINES
40420	C	AL AHSA	SAUDI ARABIA	87750	C	BAHIA BLANCA AERO	ARGENTINA
41055	C	AL BAHA	SAUDI ARABIA	41150	C	BAHRAIN MUHARRAQ	BAHRAIN
40361	C	AL-JOUF	SAUDI ARABIA	71926	CT	BAKER LAKE, N.W.T.	CANADA
94802	CT	ALBANY AIRPORT	AUSTRALIA	35796	C	BALHAS	USSR
72518	C	ALBANY/ALBANY CO., NY.	USA	72406	C	BALTIMORE/B-WASHINGTON, MD.	USA
06030	C	ALBORG	DENMARK & FAROE IS.	61291	CT	BAMAKO/SENOU	MALI
72365	C	ALBUQUERQUE/INTL, NM.	USA	43295	C	BANGALORE	INDIA
31004	CT	ALDAN	USSR	48455	CT	BANGKOK	THAILAND
83931	C	ALEGRETE	BRAZIL	64650	T	BANGUI	CENTRAL AFRICAN REP
40007	C	ALEPO	SYRIAN ARAB REP	96685	C	BANJARMASIN/SYAMSUDIN NOOR	INDONESIA
71082	CT	ALERT, N.W.T.	CANADA	61701	C	BANJUL/YUNDUM	GAMBIA
61997	C	ALFRED FAURE (ILES CROZET)	FRANCE	82784	C	BARBALHA	BRAZIL
16520	C	ALGHERO	ITALY	80419	C	BARCELONA	VENEZUELA
08359	C	ALICANTE	SPAIN	08181	C	BARCELONA/AEROPUERTO	SPAIN
94326	CT	ALICE SPRINGS AIRPORT	AUSTRALIA	87765	C	BARILOCHE AERO	ARGENTINA
42475	C	ALLAHABAD/BAMHRAULI	INDIA	29838	C	BARNAUL	USSR
72517	C	ALLENTOWN/A.-BETHLEHEM-, PA.	USA	80410	C	BARQUISIMETO	VENEZUELA
36870	CT	ALMA-ATA	USSR	82571	C	BARRA DO CORDA	BRAZIL
08487	C	ALMERIA/AEROPUERTO	SPAIN	80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA
44277	C	ALTAI	MONGOLIA	80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA
51076	C	ALTAY	CHINA	83236	C	BARREIRAS	BRAZIL
97724	C	AMBON/PATTIMURA	INDONESIA	70026	CT	BARROW/W. POST W. ROGERS, AK.	USA
40270	C	AMMAN AIRPORT	JORDAN	70086	CT	BARTER ISLAND, AK.	USA
97240	C	AMPENAN/SELA PARANG	INDONESIA	98135	C	BASCO	PHILIPPINES
42071	C	AMRITSAR	INDIA	89057	C	BASE ARTURO PRAT	CHILE
25563	CT	ANADYR'	USSR	89059	C	BASE BERNARDO O'HIGGINS	CHILE
67019	C	ANALALAVA	MADAGASCAR	64931	C	BATOUI	REP CAMEROON
70273	CT	ANCHORAGE/INTL, AK.	USA	91557	CT	BAUERFIELD (EFATE)	VANUATU
91568	C	ANEITYUM	VANUATU	60571	CT	BECHAR	ALGERIA
04360	CT	ANGMASSALIK	DENMARK	72412	C	BECKLEY/RALEIGH CTY.MUN), VA.	USA
17130	CT	ANKARA/CENTRAL	TURKEY	54511	CT	BEIJING	CHINA
60360	C	ANNABA	ALGERIA	67297	C	BEIRA	MOZAMBIQUE
70398	C	ANNETTE ISLAND, AK.	USA	60402	C	BEJAIA	ALGERIA
84542	C	ANTA (HUARAZ)	PERU	82191	C	BELEM	BRAZIL
67025	C	ANTALAH	MADAGASCAR	82193	T	BELEM (AEROPORTO)	BRAZIL
17300	C	ANTALYA	TURKEY	03917	C	BELFAST/ALDERGROVE AIRPORT	U KINGDOM
67083	CT	ANTANANARIVO/IVATO	MADAGASCAR	43198	C	BELGAUM/SAMBRA	INDIA
85442	CT	ANTOFAGASTA	CHILE	78583	C	BELIZE/INTL AIRPORT	BELIZE
98232	C	APARRI	PHILIPPINES	03976	C	BELMULLET	IRELAND
80084	C	APARTADO	COLOMBIA	83587	C	BELO HORIZONTE	BRAZIL
91762	C	APIA	SAMOA	82246	C	BELTERRA	BRAZIL
83096	C	ARACAJU	BRAZIL	40180	C	BEN-GURION INTL AIRPORT	ISRAEL
48462	C	ARANYAPRATHET	THAILAND	60602	C	BENI ABBES	ALGERIA
40357	C	ARAR	SAUDI ARABIA	60518	C	BENI-SAF	ALGERIA
80099	C	ARAUCA/SANTIAGO PEREZ	COLOMBIA	62053	CT	BENINA	LIBYAN ARAB JAMAHIRI
83579	C	ARAXA	BRAZIL	13274	C	BEograd	YUGOSLAVIA
44288	C	ARBAIHER	MONGOLIA	13275	T	BEograd/ZELENO BRDO	YUGOSLAVIA

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01317	C	BERGEN/FLORIDA	NORWAY	17116	C	BURSA	TURKEY
10384	CT	BERLIN-TEMPELHOF	GERMANY, FED REP	16560	CT	CAGLIARI/ELMAS	ITALY
78016	T	BERMUDA NAS KINDLEY	USA	94287	C	CAIRNS AIRPORT	AUSTRALIA
40179	T	BET DAGAN	ISRAEL	62366	C	CAIRO	EGYPT
70219	CT	BETHHEL/BETHEL AIRPORT, AK.	USA	84472	C	CAJAMARCA	PERU
68461	C	BETHLEHEM AIRPORT	SOUTH AFRICA	42807	C	CALCUTTA/ALIPORE	INDIA
42971	CT	BHUBANESWAR	INDIA	42809	T	CALCUTTA/DUM DUM	INDIA
97560	C	BIAK/MOKMER	INDONESIA	80259	C	CALI/PALMASECA	COLOMBIA
12295	C	BIALYSTOK	POLAND	71925	C	CAMBRIDGE BAY, N.W.T.	CANADA
71848	C	BIG TROUT LAKE, ONT.	CANADA	85315	C	CAMIWI	BOLIVIA
42165	C	BIKANER	INDIA	93944	CT	CAMPBELL ISLAND	N ZEALAND
72677	C	BILLINGS/LOGAN INTL, MT.	USA	83611	C	CAMPO GRANDE	BRAZIL
61017	C	BILMA	NIGER	83612	T	CAMPO GRANDE (AEROPORTO)	BRAZIL
72515	C	BINGHAMTON/BROOME CO., NY.	USA	83698	C	CAMPOS	BRAZIL
96441	CT	BINTULU	MALAYSIA	17112	C	CANAKKALE	TURKEY
61401	C	BIR MOGHREIN	MAURITANIA	84226	C	CANAR	ECUADOR
03534	C	BIRMINGHAM/AIRPORT	U KINGDOM	94926	C	CANBERRA AIRPORT	AUSTRALIA
61075	C	BIRNI-N'KONNI	NIGER	72304	C	CAPE HATTERAS, NC.	USA
41084	C	BISHA	SAUDI ARABIA	68816	CT	CAPE TOWN (D.F. MALAN)	SOUTH AFRICA
60525	C	BISKRA	ALGERIA	80416	C	CARACAS/LA CARLOTA	VENEZUELA
72764	CT	BISMARCK/MUN., ND.	USA	80415	C	CARACAS/MAIQUETIA AEROP. INTL	VENEZUELA
61766	C	BISSAU (AEROPORT)	GUINEA-BISSAU	83592	C	CARATINGA	BRAZIL
15085	C	BISTRITA	ROMANIA	83498	C	CARAVELAS	BRAZIL
64510	C	BITAM	GABON	03715	C	CARDIFF-WALES AIRPORT	U KINGDOM
01028	CT	BJORNØYA	NORWAY	38687	C	CARDZOU	USSR
31510	CT	BLAGOVESCENSK	USSR	72712	C	CARIBOU/MUN., ME.	USA
68442	CT	BLOEMFONTEIN (J.B.M. HERTZOG)	SOUTH AFRICA	94300	C	CARNARVON AIRPORT	AUSTRALIA
74492	C	BLUE HILL OBS., MA.	USA	82765	C	CAROLINA	BRAZIL
61881	C	BO	SIERRA LEONE	86580	C	CARRASCO	URUGUAY
65510	C	BOBO-DIOULASSO	BURKINA FASO	80022	C	CARTAGENA/CRESPO	COLOMBIA
01152	T	BODO	NORWAY	78325	C	CASA BLANCA/HABANA	CUBA
01152	C	BODO VI	NORWAY	60155	C	CASABLANCA	MOROCCO
30554	C	BOGDARIN	USSR	89611	CT	CASEY	AUSTRALIA
80222	CT	BOGOTA/ELDORADO	COLOMBIA	72569	C	CASPER/NATRONA COUNTY I., WY.	USA
41883	CT	BOGRA	BANGLADESH	87222	C	CATAMARCA AERO.	ARGENTINA
29282	C	BOGUCANY	USSR	83676	C	CATANDUVA	BRAZIL
65338	C	BOHICON	BENIN	87763	C	CATEDRAL 2000	ARGENTINA
72681	C	BOISE/MUN., ID.	USA	81405	CT	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
61769	C	BOLAMA	GUINEA-BISSAU	94653	C	CEDUNA AIRPORT	AUSTRALIA
83288	C	BOM JESUS DA LAPA	BRAZIL	89056	C	CENTRO MET. ANTARTICO "PDTE.	CHILE
43057	C	BOMBAY/COLABA	INDIA	89055	CT	CENTRO MET. ANTARTICO "VICEC."	ARGENTINA
43003	T	BOMBAY/SANTACRUZ	INDIA	87257	C	CERES	ARGENTINA
31253	C	BOMNAK	USSR	87320	C	CHAMICAL AERO	ARGENTINA
61866	C	BONTHE	SIERRA LEONE	48480	C	CHANTHABURI	THAILAND
23884	C	BOR	USSR	85230	C	CHARANA	BOLIVIA
91930	C	BORA-BORA	FRENCH POLY.	72414	C	CHARLESTON/KANAWHA, WV.	USA
07510	CT	BORDEAUX/MERIGNAC	FRANCE	72208	C	CHARLESTON/MUN., SC.	USA
60444	C	BORDJ BOU ARRERIDJ	ALGERIA	94510	CT	CHARLEVILLE AIRPORT	AUSTRALIA
65516	C	BOROMO	BURKINA FASO	99030	T	CHARLIE	OCEAN WEATHER STATIO
72509	C	BOSTON/LOGAN INTL, MA.	USA	72314	C	CHARLOTTE/DOUGLAS, NC.	USA
60515	C	BOU-SAADA	ALGERIA	93986	CT	CHATHAM ISLAND	N ZEALAND
07255	C	BOURGES	FRANCE	71717	C	CHATHAM, N.B.	CANADA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	72324	C	CHATTANOOGA/LOVELL FIELD, TN.	USA
61461	C	BOUTILIMIT	MAURITANIA	11406	C	CHEB	CZECHOSLOVAKIA
83377	C	BRASILIA	BRAZIL	56294	C	CHENGDU	CHINA
83378	T	BRASILIA (AEROPORTO)	BRAZIL	87322	C	CHEPES	ARGENTINA
30309	C	BRATSK	USSR	07024	C	CHERBOURG	FRANCE
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	42515	C	CHERRAPUNJI	INDIA
07110	CT	BREST/GUIPAVAS	FRANCE	76750	C	CHETUMAL, Q.ROO	MEXICO
16320	CT	BRINDISI	ITALY	72564	C	CHEYENNE, WY.	USA
94578	CT	BRISBANE AIRPORT	AUSTRALIA	41768	C	CHHOR	PAKISTAN
11723	C	BRNO/TURANY	CZECHOSLOVAKIA	48327	CT	CHIANG MAI	THAILAND
94203	CT	BROOME AIRPORT	AUSTRALIA	72530	C	CHICAGO/O'HARE, IL.	USA
72250	CT	BROWNSVILLE/INTL, TX.	USA	47971	CT	CHICHIJIMA	JAPAN
96315	T	BRUNEI AIRPORT	BRUNEI DARUSSALAM	84452	C	CHICLAYO	PERU
80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA	84531	C	CHIMBOTE	PERU
15420	T	BUCHARESTI/IMH	ROMANIA	41978	C	CHITTAGONG (PATENGA)	BANGLADESH
12843	CT	BUDAPEST/LORINC	HUNGARY	60425	C	CHLEF	ALGERIA
12840	C	BUDAPEST/METEOROLOGIA	HUNGARY	44259	C	CHOIBALSAN	MONGOLIA
80251	C	BUENAVENTURA/COLPUERTOS	COLOMBIA	47648	C	CHOSHI	JAPAN
87585	C	BUENOS AIRES (OBS. CENTRAL)	ARGENTINA	93780	C	CHRISTCHURCH AIRPORT	N ZEALAND
72528	C	BUFFALO/GREATER BUFFALO, NY.	USA	48517	C	CHUMPHON	THAILAND
67964	CT	BULAWAYO (GOETZ OBSY.)	ZIMBABWE	47014	C	CHUNGANG	DPR KOREA
44239	C	BULGAN	MONGOLIA	71913	C	CHURCHILL, MAN.	CANADA
15655	C	BURGAS	BULGARIA	38262	C	CIMBAJ	USSR
72617	C	BURLINGTON/INTL, VT.	USA	72421	C	CINCINNATI/GREATER CIN., OH.	USA

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30758	CT	CITA	USSR	41624	C	DERA ISMAIL KHAN	PAKISTAN
80444	C	CIUDAD BOLIVAR	VENZUELA	72546	C	DES MOINES/MUN., IA.	USA
15120	CT	CLUJ-NAPOCĂ	ROMANIA	72537	C	DETROIT/METROPOLITAN, MI.	USA
71090	C	CLYDE, N.W.T.	CANADA	40416	CT	DHAHRAN	SAUDI ARABIA
76741	C	COATZACOALCOS, VER.	MEXICO	41923	CT	DHAKA	BANGLADESH
94711	CT	COBAR	AUSTRALIA	42314	C	DIBRUGARH/MOHANBARI	INDIA
85041	C	COBIJA	BOLIVIA	61967	T	DIEGO GARCIA	USA
85223	C	COCHABAMBA	BOLIVIA	67009	C	DIEGO-SUAREZ	MADAGASCAR
43353	T	COCHIN/WILLINGDON	INDIA	61085	C	DIFFA	NIGER
64504	C	COCOBEACH	GABON	07280	C	DIJON	FRANCE
96996	CT	COCOS ISLAND AIRPORT	ISLANDS	61666	C	DIOURBEL	SENEGAL
94791	C	COFFS HARBOUR AIRPORT	AUSTRALIA	63471	C	DIRE DAWA	ETHIOPIA
21946	C	COKURDAH	USSR	17280	CT	DIYARBAKIR	TURKEY
70316	CT	COLD BAY, AK.	USA	64453	C	DJAMBALA	CONGO
43466	C	COLOMBO	SRI LANKA	60670	C	DJANET	ALGERIA
86560	C	COLONIA	URUGUAY	60535	C	DJELFA	ALGERIA
76458	C	COLONIA JUAN CARRASCO MAZ.	MEXICO	63125	C	DJIBOUTI	DJIBOUTI
72310	C	COLUMBIA, SC.	USA	72451	C	DODGE CITY/MUN., KS.	USA
72445	C	COLUMBIA/REGIONAL, MO.	USA	63862	C	DOODOMA	U REP TANZANIA
72428	C	COLUMBUS/PORT COLUMBUS, OH.	USA	41170	C	DOHA INTERNATIONAL AIRPORT	QATAR
87860	CT	COMODORO RIVADAVIA AERO	ARGENTINA	87648	C	DOLORES AERO	ARGENTINA
82861	C	CONCEICAO DO ARAGUAIA	BRAZIL	62650	C	DONGOLA	SUDAN
85196	C	CONCEPCION	BOLIVIA	65501	C	DORI	BURKINA FASO
86134	C	CONCEPCION	PARAGUAY	64910	C	DOUALA OBS.	REP CAMEROON
72605	C	CONCORD/MUN., NH.	USA	09488	C	DRESDEN-KLOTZSCHE	GERMAN DEM REP
87395	C	CONCORDIA AERO	ARGENTINA	03969	C	DUBLIN AIRPORT	IRELAND
72458	C	CONCORDIA/BLOSSER MUN., KS.	USA	52836	C	DULAN	CHINA
15480	T	CONSTANTA	ROMANIA	72745	C	DULUTH/INTL, MN.	USA
60419	C	CONSTANTINE	ALGERIA	42599	C	DUMKA	INDIA
71938	C	COPPERMINE, N.W.T.	CANADA	68588	CT	DURBAN (LOUIS BOTHA)	SOUTH AFRICA
71915	C	CORAL HARBOUR, N.W.T.	CANADA	42731	C	DWARKA	INDIA
87344	CT	CORDOBA AERO	ARGENTINA	67005	C	DZAOUOZI/PAMANZI (MAYOTTE)	COMOROS
03955	C	CORK AIRPORT	IRELAND	24143	C	DZARDZAN	USSR
80403	C	CORO	VENEZUELA	68858	C	EAST LONDON	SOUTH AFRICA
72251	C	CORPUS CHRISTI/INTL, TX.	USA	94907	C	EAST SALE AERODROME	AUSTRALIA
87166	C	CORRIENTES AERO.	ARGENTINA	03160	C	EDINBURGH AIRPORT	U KINGDOM
83552	C	CORUMBA	BRAZIL	17050	C	EDIRNE	TURKEY
65344	C	COTONOU	BENIN	71879	C	EDMONTON MUNICIPAL, ALTA.	CANADA
41992	C	COX'S BAZAR	BANGLADESH	71119	T	EDMONTON/STONY PLAIN, ALTA.	CANADA
83512	C	COXIM	BRAZIL	04220	CT	EGEDESMINDE	DENMARK
82583	C	CRATEUS	BRAZIL	40199	C	EILAT	ISRAEL
03774	T	CRAWLEY	U KINGDOM	62760	CT	EL FASHER	SUDAN
80097	C	CUCUTA/CAMILO DAZA	COLOMBIA	60590	C	EL GOLEA	ALGERIA
83361	C	CUIABA	BRAZIL	60540	C	EL KHEITER	ALGERIA
80420	C	CUMANA	VENEZUELA	62771	C	EL OBEID	SUDAN
83842	C	CURITIBA	BRAZIL	60559	C	EL OUED	ALGERIA
83840	T	CURITIBA (AEROPORTO)	BRAZIL	72270	C	EL PASO/INTL, TX.	USA
96739	C	CURUG/BUDIARTO	INDONESIA	84179	C	EL PUYO	ECUADOR
84686	C	CUZCO	PERU	60367	C	EL-KALA	ALGERIA
43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA	60550	C	ELBAYADH	ALGERIA
48855	T	DA NANG	VIET NAM	12160	C	ELBLAG	POLAND
98325	C	DAGUPAN	PHILIPPINES	63686	C	ELDORET	KENYA
61641	CT	DAKAR/YOFF	SENEGAL	72486	C	ELY/YELLAND, NV.	USA
62432	C	DAKHLA	EGYPT	10203	C	EMDEN-HAFEN	GERMANY, FED REP
41712	C	DAL BANDIN	PAKISTAN	62781	C	EN NAHUD	SUDAN
44373	C	DALANZADGAD	MONGOLIA	86297	C	ENCARNACION	PARAGUAY
72259	C	DALLAS-FORT WORTH/FORT., TX.	USA	29263	C	ENISEJSK	USSR
65560	C	DALOA	COTE D'IVOIRE	24817	C	ERBOGACEN	USSR
42587	C	DALTONGANJ	INDIA	53068	C	ERENHOT	CHINA
40080	C	DAMASCUS NEW INTL AIRPORT	SYRIAN ARAB REP	09554	C	ERFURT-BINDERSLEBEN	GERMAN DEM REP
62805	C	DAMAZINE	SUDAN	17092	C	ERZINCAN	TURKEY
04320	CT	DANMARKSHAVN	DENMARK	03162	C	ESKDALEMUIR	U KINGDOM
65351	C	DAPAON	TOGO	94638	CT	ESPERANCE	AUSTRALIA
63894	C	DAR ES SALAAM AIRPORT	U REP TANZANIA	88963	C	ESPERANZA B.E.	ARGENTINA
60390	CT	DAR-EL-BEIDA	ALGERIA	87803	C	ESQUEL AERO	ARGENTINA
42391	C	DARBHANGA	INDIA	24105	C	ESSEJ	USSR
42295	C	DARJEELING	INDIA	10410	CT	ESSEN	GERMANY, FED REP
61891	C	DARU	SIERRA LEONE	72594	C	EUREKA, CA.	USA
94120	CT	DARWIN AIRPORT	AUSTRALIA	71917	CT	EUREKA, N.W.T.	CANADA
89571	CT	DAVIS	AUSTRALIA	72432	C	EVANSVILLE/REG., IN.	USA
72429	C	DAYTON/JAMES M. COX DAY., OH.	USA	87576	CT	EZEIZA AERO	ARGENTINA
06260	CT	DE BILT	NETHERLANDS	65507	C	FADA N'GOURMA	BURKINA FASO
12882	C	DEBRECEN	HUNGARY	70261	C	FAIRBANKS/INTL, AK.	USA
40045	C	DEIR EZZOR	SYRIAN ARAB REP	16191	C	FALCONARA	ITALY
97230	C	DENPASAR/NGURAH-RAI	INDONESIA	72753	C	FARGO/HECTOR FIELD, ND.	USA
72469	C	DENVER/STAPLETON INTL, CO.	USA	82400	T	FERNANDO DE NORONHA	BRAZIL

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11155	C	FEUERKOGEL	AUSTRIA	59287	CT	GUANGZHOU	CHINA
09578	C	FICHTELBERG	GERMAN DEM REP.	80448	C	GUASDUALITO	VENEZUELA
72637	C	FLINT/BISHOP, MI.	USA	84203	C	GUAYAQUIL/SIMON BOLIVAR	ECUADOR
83897	C	FLORIANOPOLIS	BRAZIL	80423	C	GIRIJA	VENEZUELA
82212	C	FONTE BOA	BRAZIL	02128	C	GUNNARN	SWEDEN
87162	C	FORMOSA AERO	ARGENTINA	35700	CT	GUR'EV	USSR
94646	CT	FORREST AIRPORT	AUSTRALIA	40360	C	GURIAT	SAUDI ARABIA
71945	C	FORT NELSON, B.C.	CANADA	40250	C	H-4 'IRWAISHED'	JORDAN
38001	C	FORT SEVCENKO	USSR	48820	C	HA NOI	VIET NAM
71934	C	FORT SMITH, N.W.T.	CANADA	31735	CT	HABAROVSK	USSR
72344	C	FORT SMITH/MUN., AR.	USA	47678	C	HACHIJOJIMA	JAPAN
72533	C	FORT WAYNE/MUN., BAER FL., IN.	USA	47678	T	HACHIJOJIMA/OMURE	JAPAN
67197	C	FORT-DAUPHIN	MADAGASCAR	47069	C	HAEJU	DPR KOREA
82397	CT	FORTALEZA	BRAZIL	40373	C	HAFR AL-BATIN	SAUDI ARABIA
72389	C	FRESNO/AIR TERM., CA.	USA	59758	C	HAIKOU	CHINA
71909	CT	FROBISHER BAY, N.W.T.	CANADA	40394	C	HAIL	SAUDI ARABIA
47807	CT	FUKUOKA	JAPAN	50527	CT	HAILAR	CHINA
91643	CT	FUNAFUTI	N ZEALAND	71081	C	HALL BEACH, N.W.T.	CANADA
08522	CT	FUNCHAL	MADEIRA	89022	T	HALLEY	U KINGDOM
83746	T	GALEAO	BRAZIL	94212	C	HALLS CREEK AIRPORT	AUSTRALIA
72242	C	GALVESTON, TX.	USA	40030	C	HAMA	SYRIAN ARAB REP
64454	C	GAMBOMA	CONGO	43497	C	HAMBANTOTA	SRI LANKA
71803	C	GANDER INTL AIRPORT, NFLD.	CANADA	10147	C	HAMBURG-FUHLSBUETTEL	GERMANY, FED REP
57993	C	GANZHOU	CHINA	52203	C	HAMI	CHINA
61226	C	GAO	MALI	10338	CT	HANNOVER	GERMANY, FED REP
65522	C	GAOUA	BURKINA FASO	23933	CT	HANTY-MANSIJSK	USSR
63723	C	GARISSA	KENYA	91944	CT	HAO	FRENCH POLY.
64860	C	GAROUA	REP CAMEROON	02196	C	HAPARANDA	SWEDEN
40405	C	GASSIM	SAUDI ARABIA	34300	CT	HAR'KOV	USSR
42410	CT	GAUHATI	INDIA	67774	T	HARARE (BELVEDERE)	ZIMBABWE
80241	CT	GAVIOTAS	COLOMBIA	67775	C	HARARE (KUTSAGA)	ZIMBABWE
61099	C	GAYA	NIGER	02361	C	HARNOSAND	SWEDEN
62752	C	GEDAREF	SUDAN	72508	C	HARTFORD/BRADLEY INTL, CT.	USA
10628	C	GEISENHEIM	GERMANY, FED REP	60581	C	HASSI-MESSAOUD	ALGERIA
87619	C	GENERAL ACHA	ARGENTINA	20891	CT	HATANGA	USSR
89034	C	GENERAL BELGRANO II B.E.	ARGENTINA	78988	CT	HATO AIRPORT,CURACAO	CURACAO BONAIRE
87532	C	GENERAL PICO AERO	ARGENTINA	72772	C	HELENA/COUNTY-CITY, MT.	USA
89066	C	GENERAL SAN MARTIN B.E.	ARGENTINA	02974	C	HELSINKI-VANTAA	FINLAND
06700	C	GENEVE-COINTRIN	SWITZ. LIECH.	62378	C	HELWAN	EGYPT
89002	C	GEORG VON NEUMAYER	GERMANY, F.R.	16754	CT	HERAKLION	GREECE
68828	C	GEORGE AIRPORT	SOUTH AFRICA	91945	C	HEREHERETUE	FRENCH POLY.
81001	C	GEORGETOWN	GUYANA	91753	C	HIHIFO (ILE WALLIS)	N CALEDONIA
94403	C	GERALDTON AIRPORT	AUSTRALIA	91285	CT	HILO/GEN. LYMAN, HAWAII,	USA
68024	C	GHANZI	BOTSWANA	47765	C	HIROSHIMA	JAPAN
60566	C	GHARDAJA	ALGERIA	04082	C	HJARDARNES	ICELAND
08495	CT	GIBRALTAR	GIBRALTAR	94975	CT	HOBART AIRPORT	AUSTRALIA
94461	CT	GILES	AUSTRALIA	93614	C	HOKITIKA AERODROME	N ZEALAND
93291	C	GISBORNE AERODROME	N ZEALAND	61240	C	HOMBORI	MALI
41140	C	GIZAN	SAUDI ARABIA	91517	T	HONIARA	SOLOMON ISLANDS
94380	C	GLADSTONE	AUSTRALIA	91520	C	HONIARA/HENDERSON	SOLOMON ISLANDS
72768	C	GLASGOW/INTL, MT.	USA	91182	C	HONOLULU, OAHU, HAWAII	USA
20292	CT	GMO IM.E.K. FEDOROVA	USSR	08506	C	HORTA (ACORES)	PORTUGAL
43192	CT	GOA/PANJIM	INDIA	23219	C	HOSEDA-HARD	USSR
04250	C	GODTHAB	DENMARK	51828	C	HOTAN	CHINA
09499	C	GOERLITZ	GERMAN DEM REP	72243	C	HOUSTON/INTERCONTINENTAL, TX.	USA
63331	C	GONDAR	ETHIOPIA	78806	T	HOWARD AFB	PANAMA
72465	C	GOODLAND/RENNER FIELD/, KS.	USA	72425	C	HUNTINGTON/TRI-STATE, WV.	USA
71816	C	GOOSE, NFLD.	CANADA	72654	C	HURON/HURON REGIONAL, SD.	USA
02527	T	GOTEBORG/LANDVETTER	SWEDEN	41765	C	HYDERABAD	PAKISTAN
02512	C	GOTEBORG/SAVE	SWEDEN	43128	CT	HYDERABAD AIRPORT	INDIA
68906	CT	GOUGH ISLAND	SOUTH AFRICA	47016	C	HYESAN	DPR KOREA
61045	C	GOURE	NIGER	15090	C	IASI	ROMANIA
94150	CT	GOVE AIRPORT	AUSTRALIA	80214	C	IBAGUE/PERALES	COLOMBIA
72476	C	GRAND JUNCTION/WALKER F., CO.	USA	32411	C	ICA	USSR
72635	C	GRAND RAPIDS/KENT CO., MI.	USA	87097	C	IGUAZU AERO	ARGENTINA
78954	C	GRANTLEY ADAMS	BARBADOS	61972	C	ILE EUROPA	FRANCE
11240	C	GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA	61970	C	ILE JUAN DE NOVA	FRANCE
72775	CT	GREAT FALLS/INTL, MT.	USA	61968	C	ILES GLORIEUSES	FRANCE
72645	C	GREEN BAY/A.-STRAUBEL, WI.	USA	25248	C	ILIRNEJ	USSR
72317	C	GREENSBORO/G.-HIGH PT., NC.	USA	60640	C	ILLIZI	ALGERIA
72312	C	GREENVILLE/G-SPARTANBURG, SC.	USA	98637	C	ILOILLO	PHILIPPINES
09184	CT	GREIFSWALD	GERMAN DEM REP	31416	C	IM POLINY OSIPENKO	USSR
76612	C	GUADALAJARA, JAL.	MEXICO	60611	C	IN AMENAS	ALGERIA
87497	C	GUALEGUAYCHU AERO	ARGENTINA	60630	CT	IN SALAH	ALGERIA
76577	C	GUANAJUATO, GTO.	MEXICO	47112	C	INCHON	REP KOREA
80428	C	GUANARE	VENEZUELA	72438	C	INDIANAPOLIS/I.-MUN/WEI., IN.	USA

STATION LIST RECENT DATA

42754	C	INDORE	INDIA	71831	C	KAPUSKASING, ONT.	CANADA
67323	C	INHAMBALE	MOZAMBIQUE	41780	CT	KARACHI AIRPORT	PAKISTAN
11120	C	INNSBRUCK-FLUGHAFEN	AUSTRIA	35394	CT	KARAGANDA	USSR
72747	CT	INT. FALLS/FALLS INTL, MN.	USA	02080	C	KARESUANDO	SWEDEN
71907	C	INUJKUAK, QUE.	CANADA	62660	C	KARIMA	SUDAN
71957	CT	INUVIK, N.W.T.	CANADA	02418	C	KARLSTAD FLYGPLATS	SWEDEN
93844	CT	INVERCARGILL AERODROME	N ZEALAND	67475	C	KASAMA	ZAMBIA
80370	C	IPIALES/SAN LUIS	COLOMBIA	51709	C	KASHI	CHINA
84377	C	IQUITOS	PERU	62730	C	KASSALA	SUDAN
83881	C	IRAI	BRAZIL	10438	C	KASSEL	GERMANY, FED REP
83836	C	IRATI	BRAZIL	17074	C	KASTAMONU	TURKEY
30710	C	IRKUTSK	USSR	26629	CT	KAUNAS	USSR
47918	CT	ISHIGAKIJIMA	JAPAN	61257	C	KAYES	MALI
85469	C	ISLA DE PASCUA	CHILE	27595	CT	KAZAN'	USSR
85585	C	ISLA ROBINSON CRUSOE	CHILE	61699	C	KEDOUGOU	SENEGAL
88968	C	ISLAS ORCADAS D.N. (OBS.)	ARGENTINA	04018	CT	KEFLAVIK	ICELAND
17240	CT	ISPARTA	TURKEY	61285	C	KENIEBA	MALI
17062	CT	ISTANBUL/GOZTEPE	TURKEY	16641	C	KERKYRA	GREECE
82445	C	ITAITUBA	BRAZIL	02805	C	KEVO	FINLAND
17220	CT	IZMIR	TURKEY	72201	C	KEY WEST/INTL, FL.	USA
84088	C	IZOBAMBA-SANTA CATALINA	ECUADOR	41114	CT	KHAMIS MUSHAIT	SAUDI ARABIA
47800	C	IZUHARA	JAPAN	62721	CT	KHARTOUM	SUDAN
82640	C	JACAREACANGA	BRAZIL	61214	C	KIDAL	MALI
87305	C	JACHAL	ARGENTINA	33345	CT	KIEV	USSR
72235	C	JACKSON/ALLEN C. THOMP., MS.	USA	61498	C	KIFFA	MAURITANIA
72206	C	JACKSONVILLE/INTL, FL.	USA	02801	C	KILPISJARVI	FINLAND
41715	C	JACOBABAD	PAKISTAN	68438	C	KIMBERLEY	SOUTH AFRICA
83186	C	JACOBINA	BRAZIL	47025	C	KIMCHAEK	DPR KOREA
43041	C	JAGDALPUR	INDIA	40437	CT	KING KHALED INTL AIRPORT	SAUDI ARABIA
96747	C	JAKARTA HALIM PERDANAKUSUMA	INDONESIA	70326	C	KING SALMON, AK.	USA
96749	C	JAKARTA/SOEKARNOHATTA	INDONESIA	45004	T	KING'S PARK	HONG KONG
24959	C	JAKUTSK	USSR	78397	CT	KINGSTON/NORMAN MANLEY	JAMAICA
01001	CT	JAN MAYEN	NORWAY	64210	C	KINSHASA/N'DJILI	ZAIRE
68368	C	JAN SMUTS	SOUTH AFRICA	30230	CT	KIRENSK	USSR
96791	C	JATIWANGI	INDONESIA	27196	C	KIROV	USSR
41024	CT	JEDDAH/KING ABDUL AZIZ IAP	SAUDI ARABIA	61270	C	KITA	MALI
40184	C	JERUSALEM	ISRAEL	11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA
41936	C	JESSORE	BANGLADESH	72326	C	KNOXVILLE/MUN., TN.	USA
41598	C	JHELUM	PAKISTAN	06181	T	KOBENHAVN/JAEGERSBORG	DENMARK & FAROE IS.
60351	C	JIJEL	ALGERIA	06186	C	KOBENHAVN/LANDBOHOJSKOLEN	DENMARK & FAROE IS.
63402	C	JIMMA	ETHIOPIA	47893	C	KOCHI	JAPAN
52533	C	JIUQUAN	CHINA	61698	C	KOLDA	SENEGAL
41756	C	JIWANI	PAKISTAN	29231	CT	KOLPASEV	USSR
42339	CT	JODHPUR	INDIA	10929	C	KONSTANZ	GERMANY, FED REP
02929	C	JOENSUU	FINLAND	25954	CT	KORF	USSR
02963	CT	JOKIOINEN	FINLAND	91408	C	KOROR, PALAU IS.	USA
02550	C	JONKOPING FLYGPLATS	SWEDEN	62772	C	KOSTI	SUDAN
78762	CT	JUAN SANTAMARIA	COSTA RICA	42452	C	KOTA AERODROME	INDIA
62941	C	JUBA	SUDAN	48615	CT	KOTA BHARU	MALAYSIA
83692	C	JUIZ DE FORA	BRAZIL	96471	CT	KOTA KINABALU	MALAYSIA
87046	C	JUJUY AERO	ARGENTINA	70133	CT	KOTZEBUE, RALPH WIEN, AK.	USA
78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST. MAARTEN, ST. EUST.	91577	C	KOUMAC (NLLE-CALEDONIE)	N CALEDONIA
87548	C	JUNIN AERO	ARGENTINA	64893	C	KOUNDJJA	REP CAMEROON
32150	CT	JUZNO-SAHALINSK	USSR	61293	C	KOUTIALA	MALI
02935	CT	JYVASKYLA	FINLAND	43314	C	KOZHIKODE	INDIA
61886	C	KABALA	SIERRA LEONE	29574	CT	KRASNOJARSK	USSR
67663	C	KABWE	ZAMBIA	38507	C	KRASNOVODSK	USSR
62810	C	KADUGLI	SUDAN	48648	T	KUALA LUMPUR/PETALING JAYA	MALAYSIA
61492	C	KAEDI	MAURITANIA	48647	C	KUALA LUMPUR/SUBANG	MALAYSIA
47827	C	KAGOSHIMA	JAPAN	48657	CT	KUANTAN	MALAYSIA
47827	T	KAGOSHIMA/YOSHINO	JAPAN	96413	CT	KUCHING	MALAYSIA
93012	CT	KAITAIA	N ZEALAND	62271	CT	KUFRA	LIBYAN ARAB JAMAHIRI
02897	C	KAJAANI	FINLAND	56778	CT	KUNMING	CHINA
30469	C	KALAKAN	USSR	28952	CT	KUSTANAJ	USSR
16726	C	KALAMATA	GREECE	71906	C	KUUJJUAG, QUE.	CANADA
94637	CT	KALGOORLIE AIRPORT	AUSTRALIA	02869	C	KUUSAMO	FINLAND
25744	C	KAMENSKOE	USSR	40582	CT	KUWAIT INTL AIRPORT	KUWAIT
40001	C	KAMISHLI	SYRIAN ARAB REP	33393	CT	L'VOV	USSR
67586	C	KAMUZU INTL.	MALAWI	08001	CT	LA CORUNA	SPAIN
47605	C	KANAZAWA	JAPAN	76405	C	LA PAZ, B.C.S.	MEXICO
65306	C	KANDI	BENIN	85201	C	LA PAZ/ALTO	BOLIVIA
47105	C	KANGNUNG	REP KOREA	87007	C	LA QUIACA OBSERVATORIO	ARGENTINA
22165	C	KANIN NOS	USSR	87217	C	LA RIOJA AERO.	ARGENTINA
72446	C	KANSAS CITY, INTL, MO.	USA	85488	C	LA SERENA	CHILE
61679	C	KAOLACK	SENEGAL	87534	C	LABOULEYE	ARGENTINA
04340	C	KAP TOBIN	DENMARK	68476	C	LADYSMITH	SOUTH AFRICA

STATION LIST RECENT DATA

87903	C	LAGO ARGENTINO AERO	ARGENTINA	61091	C	MAGARIA	NIGER
41640	C	LAHORE CITY	PAKISTAN	85114	C	MAGDALENA	BOLIVIA
08509	T	LAJES (ACORES)	PORTUGAL	60522	C	MAGHNIA	ALGERIA
72240	C	LAKE CHARLES/MUN., LA.	USA	61096	C	MAINE-SOROA	NIGER
64551	C	LAMBARENE	GABON	67073	C	MAINTIRANO	MADAGASCAR
72576	C	LANDER/HUNT, WY.	USA	67027	C	MAJUNGA	MADAGASCAR
52889	CT	LANZHOU	CHINA	91376	C	MAJURO/MARSHALL IS. INTL	USA
98223	C	LAOAG	PHILIPPINES	64403	C	MAKABANA	CONGO
02958	C	LAPPEENRANTA	FINLAND	41030	C	MAKKAH	SAUDI ARABIA
16648	C	LARISSA	GREECE	64456	C	MAKOUA	CONGO
87078	C	LAS LOMITAS	ARGENTINA	48665	C	MALACCA	MALAYSIA
72386	C	LAS VEGAS/MCCARRAN, NV.	USA	62840	C	MALAKAL	SUDAN
40022	C	LATTAKIA	SYRIAN ARAB REP	87506	C	MALARGUE AERO	ARGENTINA
94865	CT	LAVERTON AERODROME	AUSTRALIA	03980	C	MALIN HEAD	IRELAND
78925	C	LE LAMENTIN	MARTINIQUE	63799	C	MALINDI	KENYA
78897	CT	LE RAIZET/GUADELOUPE	ST. MARTIN, ST. BARTH.	67143	C	MANANJARY	MADAGASCAR
94302	C	LEARMONTH AIRPORT	AUSTRALIA	82331	C	MANAUS	BRAZIL
12120	CT	LEBA	POLAND	82332	T	MANAUS (AEROPORTO)	BRAZIL
03257	C	LEEMING	U KINGDOM	03334	C	MANCHESTER AIRPORT	U KINGDOM
98444	C	LEGASPI	PHILIPPINES	44341	C	MANDALGOVI	MONGOLIA
12374	T	LEGIONOWO	POLAND	65352	C	MANGO	TOGO
09469	C	LEIPZIG-SCHKEUDITZ	GERMAN DEM REP	98429	C	MANILA INTL AIRPORT	PHILIPPINES
83242	C	LENCOIS	BRAZIL	71722	CT	MANIWAKI, QUE.	CANADA
26063	CT	LENINGRAD (TOWN/VILLE)	USSR	43413	C	MANNAR	SRI LANKA
03005	CT	LERWICK	U KINGDOM	76654	C	MANZANILLO, COL.	MEXICO
71874	C	LETHBRIDGE, ALTA.	CANADA	67341	C	MAPUTO/MAVALANE	MOZAMBIQUE
80398	C	LETICIA/VASQUEZ COBO	COLOMBIA	87774	C	MAQUINCHAO	ARGENTINA
72422	C	LEXINGTON/BLUE GRASS, KY.	USA	87692	C	MAR DEL PLATA AERO	ARGENTINA
55591	CT	LHASA	CHINA	82562	C	MARABA	BRAZIL
67217	C	LICHINGA	MOZAMBIQUE	80407	C	MARACAIBO-LA CHINITA	VENEZUELA
91165	CT	LIHUE, KAUAI, HAWAII	USA	80413	C	MARACAY - B.A. SUCRE	VENEZUELA
84628	C	LIMA-CALLAO/AEROP. INTL	PERU	61080	C	MARADI	NIGER
07434	C	LIMOGES	FRANCE	87467	C	MARCOS JUAREZ AERO	ARGENTINA
09393	CT	LINDENBERG	GERMAN DEM REP	16325	C	MARINA DI GINOSA	ITALY
61627	C	LINGUERE	SENEGAL	68994	CT	MARION ISLAND	SOUTH AFRICA
08535	C	LISBOA	PORTUGAL	86068	C	MARISCAL ESTIGARRIBIA	PARAGUAY
08579	T	LISBOA/GAGO COUTINHO	PORTUGAL	64851	C	MAROUA-SALAK	REP CAMEROON
67743	C	LIVINGSTONE	ZAMBIA	72743	C	MARQUETTE, MI.	USA
13015	C	LJUBLJANA/BEZIGRAD	YUGOSLAVIA	60230	C	MARRAKECH	MOROCCO
84270	C	LOJA/LA ARGELIA	ECUADOR	07650	C	MARSEILLE/MARIGNANE	FRANCE
15511	C	LOM	BULGARIA	61996	CT	MARTIN DE VIVIES(ILE AMST.)	FRANCE
65387	C	LOME	TOGO	60507	C	MASCARA GRISS	ALGERIA
03776	C	LONDON/GATWICK AIRPORT	U KINGDOM	41288	C	MASIRAH	OMAN
83766	C	LONDrina	BRAZIL	61630	C	MATAM	SENEGAL
94346	C	LONGREACH AIRPORT	AUSTRALIA	47618	C	MATSUMOTO	JAPAN
72247	T	LONGVIEW, TX.	USA	80435	C	MATURIN	VENEZUELA
94995	CT	LORD HOWE ISLAND	AUSTRALIA	68032	C	MAUN	BOTSWANA
72295	C	LOS ANGELES/INTL, CA.	USA	89564	C	MAHSON	AUSTRALIA
64401	C	LOUBOMO	CONGO	64503	C	MAYUMBA	GABON
72423	C	LOUISVILLE/STANDIFORD, KY.	USA	70231	C	MCGRATH, AK.	USA
48930	C	LUANG-PRABANG	LAO PDR	89664	C	MCMURDO	USA
72267	C	LUBBOCK/LUBBOCK INTL, TX.	USA	60549	C	MECHERIA	ALGERIA
42369	T	LUCKNOW/AMAUSI	INDIA	96035	C	MEDAN/POLONIA	INDONESIA
06770	C	LUGANO	SWITZ. LIECH.	72597	CT	MEDFORD/MEDFORD-JACKSON, OR.	USA
61856	C	LUNGI	SIERRA LEONE	94430	C	MEEKATHARRA AIRPORT	AUSTRALIA
16597	C	LUQRA	MALTA	09548	CT	MEININGEN	GERMAN DEM REP
67666	T	LUSAKA CITY AIRPORT	ZAMBIA	60150	C	MEKNES	MOROCCO
06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG	86440	C	MELO	URUGUAY
07480	C	LYON/BRON	FRANCE	87418	CT	MENDOZA AERO	ARGENTINA
07481	T	LYON/SATOLAS	FRANCE	80425	C	MENE GRANDE	VENEZUELA
60467	C	M'SILA	ALGERIA	56985	C	MENGZI	CHINA
40310	C	MA'AN	JORDAN	08314	C	MENORCA/MAHON	SPAIN
45011	C	MACAO	MACAU	97980	C	MERAUKE/MOPAH	INDONESIA
82098	C	MACAPA	BRAZIL	86490	C	MERCEDES	URUGUAY
43185	C	MACHILIPATNAM (FRANCHPET)	INDIA	80438	C	MERIDA	VENEZUELA
94367	C	MACKAY	AUSTRALIA	72234	C	MERIDIAN/KEY, MS.	USA
72217	C	MACON/LEWIS B. WILSON, GA.	USA	62306	C	MERSA MATRUH	EGYPT
94998	CT	MACQUARIE ISLAND	AUSTRALIA	16420	C	MESSINA	ITALY
98646	C	MACTAN	PHILIPPINES	72202	C	MIAMI, FL.	USA
40430	CT	MADINAH	SAUDI ARABIA	72265	C	MIDLAND/MIDLAND REG., TX.	USA
72641	C	MADISON/DANE COUNTY REG., WI.	USA	91066	T	MIDWAY ISLAND	USA
43279	CT	MADRAS/MINAMBAKKAM	INDIA	99090	C	MIKE	OCEAN WEATHER STATIO
08222	C	MADRID	SPAIN	84202	C	MILAGRO	ECUADOR
08221	T	MADRID/BARAJAS	SPAIN	16080	T	MILANO/LINATE	ITALY
47624	C	MAEBASHI	JAPAN	94693	C	MILDURA AIRPORT	AUSTRALIA
40265	T	MAFRAQ	JORDAN	60430	C	MILIANA	ALGERIA

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72640	C	MILWAUKEE/GEN. MITCHELL, WI.	USA	64700	C	NDJAMENA	CHAD
47945	CT	MINAMIDAITOJIMA	JAPAN	80315	C	NEIVA/LA MANGUITA	COLOMBIA
47991	CT	MINAMITORISHIMA	JAPAN	61497	C	NEMA	MAURITANIA
43369	CT	MINICOY	INDIA	47420	CT	NEMURO	JAPAN
72658	C	MINNEAPOLIS/ST.PAUL INTL,MN.	USA	87715	CT	NEUQUEN AERO	ARGENTINA
26850	CT	MINSK	USSR	42182	CT	NEW DELHI/SAFDARJUNG	INDIA
29866	C	MINUSINSK	USSR	72231	C	NEW ORLEANS, LA	USA
12772	C	MISKOLC	HUNGARY	93308	C	NEW PLYMOUTH AERODROME	N ZEALAND
72773	C	MISSOULA/JOHNSON-BELL F.,MT.	USA	72503	C	NEW YORK/LA GUARDIA, NY.	USA
64552	C	MITZIC	GABON	61052	CT	NIAMEY-AERO	NIGER
47585	C	MIYAKO	JAPAN	07690	C	NICE	FRANCE
47927	C	MIYAKOJIMA	JAPAN	47604	C	NIIGATA	JAPAN
47830	C	MIYAZAKI	JAPAN	02942	C	NIINISALO	FINLAND
64565	C	MOANDA	GABON	32618	C	NIKOL'SKOE (OSTROV BERINGA)	USSR
72223	C	MOBILE/BATES FIELD, AL.	USA	31369	C	NIKOLAEVSK-NA-AMURE	USSR
30673	C	MOGOMA	USSR	07645	CT	NIMES/COURBESSAC	FRANCE
47165	C	MOKP'O	REP KOREA	61230	C	NIORO DU SAHEL	MALI
72544	C	MOLINE/QUAD CITY, IL.	USA	23724	C	NJAKSIMVOL'	USSR
72349	T	MONETT, MO.	USA	61878	C	NJALA	SIERRA LEONE
67633	C	MONGU	ZAMBIA	70200	CT	NOME, AK.	USA
78388	C	MONTEGO BAY/SANGSTER	JAMAICA	04312	C	NORD ADS	DENMARK
76393	C	MONTERREY, N.L.	MEXICO	94996	CT	NORFOLK ISLAND AIRPORT	AUSTRALIA
72226	C	MONTGOMERY/DANNELLY, AL.	USA	72308	C	NORFOLK/INTL, VA.	USA
71627	C	MONTREAL/DORVAL INTL, QUE.	CANADA	72556	C	NORFOLK/KARL STEFAN, NE.	USA
71836	CT	MOOSONEE, ONT.	CANADA	71043	CT	NORMAN WELLS, N.W.T.	CANADA
61265	C	MOPTI	MALI	71731	C	NORTH BAY, ONT.	CANADA
94527	CT	MOREE	AUSTRALIA	72562	CT	NORTH PLATTE/LEE BIRD, NE.	USA
76665	C	MORELIA, MICH.	MEXICO	61415	CT	NOUADHIBOU	MAURITANIA
27612	CT	MOSKVA-	USSR	61442	C	NOUAKCHOTT	MAURITANIA
60457	C	MOSTAGANEM	ALGERIA	91592	CT	NOUMEA (NLLE-CALEDONIE)	N CALEDONIA
64550	C	MOUILA	GABON	10763	C	NUERNBERG	GERMANY, FED REP
71072	C	MOULD BAY A, N.W.T.	CANADA	84132	C	NUEVO ROCAFUERTE	ECUADOR
64706	C	MOUNDOU	CHAD	33837	CT	ODESSA	USSR
64402	C	MOUYONDZI	CONGO	31088	CT	OHOTSK	USSR
63619	C	MOYALE	KENYA	47815	C	OITA	JAPAN
94821	CT	MT GAMBIER AIRPORT	AUSTRALIA	24688	C	OJMJAKON	USSR
94332	CT	MT ISA AIRPORT	AUSTRALIA	72353	CT	OKLAHOMA CITY/W.R.WORLD, OK.	USA
63971	C	MTWARA	U REP TANZANIA	24125	C	OLENEK	USSR
10868	T	MUENCHEN-OBERSCHEISSHEIM	GERMANY, FED REP	72792	C	OLYMPIA, WA.	USA
10866	C	MUENCHEN-RIEM	GERMANY, FED REP	47655	C	OMAEZAKI	JAPAN
17292	C	MUGLA	TURKEY	72553	C	OMAHA, NE.	USA
42147	C	MUKTESWAR KUMAON	INDIA	28698	CT	OMSK	USSR
41675	CT	MULTAN	PAKISTAN	87016	C	ORAN AERO	ARGENTINA
08430	T	MURCIA	SPAIN	60490	C	ORAN/ES SENIA	ALGERIA
44231	C	MUREN	MONGOLIA	35121	CT	ORENBURG	USSR
22113	CT	MURMANSK	USSR	01241	T	ORLAND	NORWAY
72636	C	MUSKEGON/COUNTY, MI.	USA	01241	C	ORLAND III	NORWAY
23146	CT	MYS KAMENNYJ	USSR	72205	C	ORLANDO/JETPORT/ FL.	USA
25173	C	MYS SMIDTA	USSR	85242	C	ORURO	BOLIVIA
25399	C	MYS UELEN	USSR	47772	C	OSAKA	JAPAN
61049	C	N'GUIGMI	NIGER	01384	CT	OSLO/GARDERMOEN	NORWAY
72340	C	N. LITTLE ROCK/MUN.APRT.,AR.	USA	02226	C	OSTERSUND/FROSON	SWEDEN
47817	C	NAGASAKI	JAPAN	11782	C	OSTRAVA/MOSNOV	CZECHOSLOVAKIA
47636	C	NAGOYA	JAPAN	21965	C	OSTROV CETYREH-STOLBOVOJ	USSR
42867	CT	NAGPUR SONEGAON	INDIA	20674	CT	OSTROV DIKSON	USSR
47936	CT	NAHA	JAPAN	21432	CT	OSTROV KOTEL'NYJ	USSR
63741	T	NAIROBI/DAGORETTI	KENYA	20069	C	OSTROV VIZE	USSR
63740	C	NAIROBI/KENYATTA AIRPORT	KENYA	65503	C	OUAGADOUGOU	BURKINA FASO
41128	C	NAJRAN	SAUDI ARABIA	65502	C	OUAHIGOUYA	BURKINA FASO
48431	C	NAKHON RATCHASIMA	THAILAND	60265	C	OUARZAZATE	MOROCCO
48400	C	NAKHON SAWAN	THAILAND	64458	C	OUESO	CONGO
67237	C	NAMPULA	MOZAMBIQUE	02875	C	OULU	FINLAND
58606	C	NANCHANG	CHINA	96163	C	PADANG/TABING	INDONESIA
07180	CT	NANCY/ESSEY	FRANCE	91765	T	PAGO PAGO/INT. AIRPORT	USA
91680	CT	NANDI	FIJI	96109	C	PAKANBARU/SIMPANGTIKA	INDONESIA
59431	C	NANNING	CHINA	48955	C	PAKSE	LAO PDR
07222	C	NANTES	FRANCE	08306	C	PALMA DE MALLORCA/SON SAN J.	SPAIN
23205	CT	NAR'JAN-MAR	USSR	43363	C	PAMBAN	INDIA
04270	T	NARSSARSSUAQ	DENMARK	43285	T	PANAMBUR	INDIA
72327	CT	NASHVILLE/OLD HICKORY, TN.	USA	41739	C	PANJGUR	PAKISTAN
78073	CT	NASSAU AIRPORT	BAHAMAS	41560	C	PARACHINAR	PAKISTAN
82599	C	NATAL	BRAZIL	65330	C	PARAKOU	BENIN
65319	C	NATITINGOU	BENIN	87374	C	PARANA AERO	ARGENTINA
91683	C	NAUSORI	FIJI	07150	C	PARIS/LE. BOURGET	FRANCE
47909	C	NAZE	JAPAN	87814	C	PASO DE INDIOS	ARGENTINA
47909	T	NAZE/FUNCHATOGUE	JAPAN	87289	C	PASO DE LOS LIBRES AERO	ARGENTINA

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86460	C	PASO DE LOS TOROS	URUGUAY	80412	C	PTO. CABELLO, B.N.	VENEZUELA
82791	C	PATOS	BRAZIL	84515	C	PUCALLPA	PERU
06610	T	PAYERNE	SWITZ. LIECH.	80457	C	PUERTO AYACUCHO	VENEZUELA
12942	C	PECS	HUNGARY	80139	C	PUERTO CARRENO	COLOMBIA
86097	C	PEDRO JUAN CABALLERO	PARAGUAY	86086	C	PUERTO CASADO	PARAGUAY
87544	C	PEHUATO AERO	ARGENTINA	87896	C	PUERTO DESEADO AERO	ARGENTINA
91554	C	PEKOJA AIRPORT (ESPIRITU-SANTO)	Vanuatu	78767	C	PUERTO LIMON	COSTA RICA
67215	C	PEMBA	MOZAMBIQUE	84658	C	PUERTO MALDONADO	PERU
48601	CT	PENANG/BAYAN LEPAS	MALAYSIA	85799	C	PUERTO MONTT	CHILE
72688	C	PENDLETON, OR.	USA	78457	C	PUERTO PLATA	DOMINICAN REP
72532	C	PEORIA/GREATER PEORIA, IL.	USA	86248	C	PUERTO PRESIDENTE STROESSNER	PARAGUAY
80210	C	PEREIRA/MATECANA	COLOMBIA	85289	C	PUERTO SUAREZ	BOLIVIA
28225	C	PERM	USSR	85934	C	PUNTA ARENAS	CHILE
07747	C	PERPIGNAN	FRANCE	87596	C	PUNTA INDIO B.A.	ARGENTINA
94610	CT	PERTH AIRPORT	AUSTRALIA	78760	C	PUNTARENAS	COSTA RICA
16230	C	PESCARA	ITALY	47159	C	PUSAN	REP KOREA
41530	CT	PESHAWAR	PAKISTAN	47058	CT	PYONGYANG	DPR KOREA
82983	C	PETROLINA	BRAZIL	56137	C	QAMDO	CHINA
32540	CT	PETROPAVLOVSK-KAMCHATKIJ	USSR	54857	C	QINGDAO	CHINA
72408	C	PHILADELPHIA/INTL, PA.	USA	50745	C	QIQIHAAR	CHINA
48378	C	PHITSANULOK	THAILAND	67283	C	QUELIMANE	MOZAMBIQUE
72278	C	PHOENIX/SKY HARBOR INTL, AZ.	USA	41660	C	QUETTA AIRPORT	PAKISTAN
78970	CT	PIARCO INTL AIRPORT, TRINIDAD	TRINIDAD	80144	C	QUIBDO/EL CARANO	COLOMBIA
84140	C	PICHILINGUE	ECUADOR	72797	CT	QUILLAYUTE, WA.	USA
68174	CT	PIETERSBURG	SOUTH AFRICA	82586	C	QUIXERAMOBIM	BRAZIL
87679	C	PIGUE AERO	ARGENTINA	40362	C	RAFHA	SAUDI ARABIA
86255	C	PILAR	PARAGUAY	72306	C	RALEIGH/RALEIGH-DURHAM, NC.	USA
87349	C	PILAR OBSERVATORIO	ARGENTINA	93997	C	RAOUL ISLAND, KERMADEC IS.	N ZEALAND
16158	C	PISA/S. GIUSTO	ITALY	91958	CT	RAPA	FRENCH POLY.
84691	C	PISCO	PERU	72662	C	RAPID CITY/REG., SD.	USA
72520	C	PITTSBURGH/GREATER PITT., PA.	USA	91843	CT	RAROTONGA	N ZEALAND
84401	C	PIURA	PERU	22602	C	REBOLY	USSR
37050	C	PJATIGORSK	USSR	82900	CT	RECIFE (CURADO)	BRAZIL
61990	C	PLAISANCE (MAURITIUS)	MAURITIUS	87270	C	RECONQUISTA AERO	ARGENTINA
03827	C	PLYMOUTH/MOUNT BATTEN	U KINGDOM	71863	C	REGINA, SASK.	CANADA
72578	C	POCATELLO/NUM., ID.	USA	96171	C	RENGAT/JAPURA	INDONESIA
61612	C	PODOR	SENEGAL	72488	C	RENO/INTL, NV.	USA
47138	T	POHANG	REP KOREA	87155	CT	RESISTENCIA AERO.	ARGENTINA
64400	C	POINTE-NOIRE	CONGO	71924	C	RESOLUTE, N.W.T.	CANADA
20046	TC	POLAR GMO IM.E.T. KRENKELJA	USSR	04030	C	REYKJAVIK	ICELAND
91348	C	PONAPE, CAROLINE ISLANDS.	USA	85043	C	RIBERALTA	BOLIVIA
08513	C	PONTA DELGADA (ACORES)	PORTUGAL	72401	C	RICHMOND/BYRD, VA.	USA
83702	C	PONTA PORA	BRAZIL	91948	C	RIKITEA	FRENCH POLY.
43063	C	POONA	INDIA	87736	C	RIO COLORADO	ARGENTINA
11952	T	POPRAD/GANOVCE	CZECHOSLOVAKIA	87453	C	RIÓ CUARTO AERO	ARGENTINA
11934	C	POPRAD/TATRY	CZECHOSLOVAKIA	83743	C	RIO DE JANEIRO	BRAZIL
80421	C	PORLAMAR(AP INTL DEL CARIBE)	VENEZUELA	87925	C	RIO GALLEGOS AERO	ARGENTINA
43333	CT	PORT BLAIR	INDIA	87934	C	RIO GRANDE B.A.	ARGENTINA
68842	CT	PORT ELIZABETH	SOUTH AFRICA	80112	C	RIONEGRO/J.M.CORDOVA	COLOMBIA
71109	C	PORT HARDY, B.C.	CANADA	87065	C	RIVADAVIA	ARGENTINA
94312	CT	PORT HEDLAND AIRPORT	AUSTRALIA	40438	C	RIYADH	SAUDI ARABIA
62641	C	PORT SUDAN	SUDAN	72411	C	ROANOKE/MUN., VA.	USA
61998	CT	PORT-AUX-FRANCAIS(ILES KER.)	FRANCE	65660	C	ROBERTS FIELD	LIBERIA
64501	C	PORT-GENTIL	GABON	85268	C	ROBORE	BOLIVIA
72606	C	PORTLAND/INTL JET PORT, ME.	USA	86565	C	ROCHA	URUGUAY
72698	C	PORTLAND/INTL, OR.	USA	72644	C	ROCHESTER/MUN., MN.	USA
83967	C	PORTO ALEGRE	BRAZIL	72529	C	ROCHESTER/R-MONROE CTY., NY.	USA
83971	T	PORTO ALEGRE (AEROPORTO)	BRAZIL	61988	C	RODRIGUES	MAURITIUS
83064	C	PORTO NACIONAL	BRAZIL	16242	C	ROMA/FIUMICINO	ITALY
82825	C	PORTO VELHO	BRAZIL	06190	C	RONNE	DENMARK & FAROE IS.
84135	C	PORTO VIEJO-GRANJA	ECUADOR	87480	C	ROSARIO AERO	ARGENTINA
08546	C	PORTO/SERRA DO PILAR	PORTUGAL	61489	C	ROSSO	MAURITANIA
87178	C	POSADAS AERO.	ARGENTINA	34731	CT	ROSTOV-NA-DONU	USSR
09379	C	POTSDAM	GERMAN DEM REP	89062	C	ROTHERA POINT	U KINGDOM
12330	CT	POZNAN	POLAND	45005	C	ROYAL OBSERVATORY	HONG KONG
48500	C	PRACHUAP KHIRIKHAN	THAILAND	51777	C	RUOQIANG	CHINA
11520	CT	PRAHA-LIBUS	CZECHOSLOVAKIA	85141	C	RURRENABAQUE	BOLIVIA
11518	C	PRAHA/RUZYNE	CZECHOSLOVAKIA	89001	CT	S.A.N.A.E. STATION	SOUTH AFRICA
16245	T	PRATICA DI MARE	ITALY	96001	C	SABANG/CUT BAU	INDONESIA
87149	C	PRES. ROQUE SAENZ PENA AERO	ARGENTINA	71600	C	SABLE ISLAND, N.S.	CANADA
68262	C	PRETORIA	SOUTH AFRICA	72483	C	SACRAMENTO/EXECUTIVE, CA.	USA
68263	T	PRETORIA (IRENE)	SOUTH AFRICA	06680	C	SAENTIS	SWITZ. LIECH.
71896	CT	PRINCE GEORGE, B.C.	CANADA	42671	C	SAGAR	INDIA
72507	C	PROVIDENCE/GREEN STATE, RI.	USA	44354	C	SAINSHAND	MONGOLIA
80002	C	PROVIDENCIA (ISLA)	COLOMBIA	61980	C	SAINT-DENIS/GILLLOT (REUNION)	FRANCE
12695	C	PRZEMYSL	POLAND	61600	C	SAINT-LOUIS	SENEGAL

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71805	C	SAINT-PIERRE	ST. PIERRE MIQUELON	71601	C	SHEARWATER, N.S.	CANADA
08594	CT	SAL	CAPE VERDE	70414	T	SHEMYA AFB, AK.	USA
41316	CT	SALALAH	OMAN	54342	C	SHENYANG	CHINA
23330	CT	SALEHARD	USSR	72666	C	SHERIDAN/COUNTY, WY.	USA
76833	C	SALINA CRUZ, OAX.	MEXICO	47898	C	SHIMIZU/ASHIZURI	JAPAN
72572	C	SALT LAKE CITY/INTL. UT.	USA	47778	CT	SHIONOMISAKI	JAPAN
87047	CT	SALTA AERO	ARGENTINA	72248	C	SHREVEPORT/REG., LA.	USA
86360	C	SALTO	URUGUAY	15260	C	SIBIU	ROMANIA
83229	C	SALVADOR	BRAZIL	96073	C	SIBOLGA/PINANGSORI	INDONESIA
11150	C	SALZBURG-FLUGHAFEN	AUSTRIA	61297	C	SIKASSO	MALI
35925	C	SAM	USSR	33946	C	SIMFEROPOL'	USSR
17030	CT	SAMSUN	TURKEY	32195	C	SIMUSIR	USSR
61277	C	SAN	MALI	48698	CT	SINGAPORE/CHANGI AIRPORT	SINGAPORE
80001	C	SAN ANDRES (ISLA)	COLOMBIA	47035	C	SINUJU	DPR KOREA
72263	C	SAN ANGELO/MATHIS, TX.	USA	72557	C	SIOUX CITY/MUN., IA.	USA
80447	C	SAN ANTONIO DEL TACHIRA	VENEZUELA	72651	C	SIOUX FALLS/FOSS FIELD, SD.	USA
87784	C	SAN ANTONIO OESTE AERO	ARGENTINA	17090	C	SIVAS	TURKEY
72253	C	SAN ANTONIO/INTL, TX.	USA	60355	C	SKIKDA	ALGERIA
84008	C	SAN CRISTOBAL (GALAPAGOS)	ECUADOR	13586	C	SKOPJE-PETROVAC	YUGOSLAVIA
72290	C	SAN DIEGO/LINDBERGH, CA.	USA	11903	C	SLIAC	CZECHOSLOVAKIA
72290	T	SAN DIEGO/MONTGOMERY FLD, CA.	USA	76845	C	SN.CRISTOBAL LAS CASAS, CHIS	MEXICO
80450	C	SAN FERNANDO DE APURE	VENEZUELA	02836	CT	SODANKYLA	FINLAND
72494	C	SAN FRANCISCO/INTL, CA.	USA	15614	CT	SOFIA (OBSERV.)	BULGARIA
85207	C	SAN IGNACIO DE VELASCO	BOLIVIA	65361	C	SOKODE	TOGO
85104	C	SAN JOAQUIN	BOLIVIA	63962	C	SONGEA	U REP TANZANIA
87311	C	SAN JUAN AERO	ARGENTINA	48568	CT	SONGKHLA	THAILAND
86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY	11146	C	SONNBICK	AUSTRIA
78526	C	SAN JUAN/INTL, PUERTO RICO	PUERTO RICO US POSS	16746	C	SOUDA	GREECE
87909	C	SAN JULIAN AERO	ARGENTINA	72535	C	SOUTH BEND/ST. JOSEPH CO., IN.	USA
87436	C	SAN LUIS AERO	ARGENTINA	13334	C	SPLIT/MARJAN	YUGOSLAVIA
87509	C	SAN RAFAEL AERO	ARGENTINA	72785	CT	SPOKANE/INTL, WA.	USA
71101	C	SANDSPIT, B.C.	CANADA	72439	C	SPRINGFIELD/CAPITAL, IL.	USA
85123	C	SANTA ANA	BOLIVIA	72440	C	SPRINGFIELD/MUN., MO.	USA
85245	C	SANTA CRUZ	BOLIVIA	42027	CT	SRINAGAR	INDIA
87912	C	SANTA CRUZ AERO	ARGENTINA	61986	C	ST. BRANDON (ST. RAPHAEL)	MAURITIUS
60020	C	SANTA CRUZ DE TENERIFE	SPAIN	72655	T	ST. CLOUD/WHITNEY, MN.	USA
80462	C	SANTA ELENA DE UAIREN	VENZUELA	61901	CT	ST. HELENA IS.	U KINGDOM
08515	C	SANTA MARIA (ACORES)	PORTUGAL	72434	C	ST. LOUIS/LAMBERT, ST., MO.	USA
72394	C	SANTA MARIA/PUBLIC, CA.	USA	70308	C	ST. PAUL, AK.	USA
80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA	11028	C	ST. POELTEN	AUSTRIA
87623	CT	SANTA ROSA AERO	ARGENTINA	83997	C	ST. VITORIA DO PALMAR	BRAZIL
87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA	01415	CT	STAVANGER/SOLA	NORWAY
78486	C	SANTO DOMINGO	DOMINICAN REP	71815	CT	STEPHENVILLE, NFLD.	CANADA
82668	C	SAO FELIX DO XINGU	BRAZIL	80475	C	STO. DOMINGO IB.A.)	VENZUELA
82280	C	SAO LUIZ	BRAZIL	02464	C	STOCKHOLM/BROMMA	SWEDEN
83781	C	SAO PAULO	BRAZIL	02465	T	STOCKHOLM/BROMMA	SWEDEN
83780	T	SAO PAULO (AEROPORTO)	BRAZIL	03026	CT	STORNOWAY	U KINGDOM
47412	CT	SAPPORO	JAPAN	07190	C	STRASBOURG	FRANCE
13354	C	SARAJEVO	YUGOSLAVIA	10739	CT	STUTTGART/SCHNARRENNBERG	GERMANY, FED REP
34172	CT	SARATOV	USSR	85283	C	SUCRE	BOLIVIA
41594	T	SARGODHA	PAKISTAN	41062	C	SULAYEL	SAUDI ARABIA
64750	C	SARH	CHAD	15360	C	SULINA	ROMANIA
72734	C	SAULT STE. MARIE, MI.	USA	72429	T	SULPHUR GROVE, OH.	USA
72207	C	SAVANNAH/MUNICIPAL, GA.	USA	97260	C	SUMBAWA BESAR/SUMBAWA BESAR	INDONESIA
65335	C	SAVE	BENIN	02365	T	SUNDSVALL-HARNOSAND FLYGPLAT	SWEDEN
10035	CT	SCHLESWIG	GERMANY, FED REP	24738	C	SUNTAR	USSR
04339	T	SCORESBYSUND	DENMARK	41268	C	SUR	OMAN
72793	C	SEATTLE/S.-TACOMA, WA.	USA	96933	C	SURABAYA/PERAK	INDONESIA
62124	C	SEBHA	LIBYAN ARAB JAMAHIRI	98653	C	SURIGAO	PHILIPPINES
41256	CT	SEEB, INTERNATIONAL AIRPORT	OMAN	01008	C	SVALBARD LUFTHAVN	NORWAY
61272	C	SEGOU	MALI	28440	CT	SVERDLOVSK	USSR
25703	CT	SEJM CAN	USSR	94767	C	SYDNEY AIRPORT	AUSTRALIA
96837	C	SEMARANG	INDONESIA	71707	C	SYDNEY, N.S.	CANADA
36177	C	SEMPALATINSK	USSR	23804	CT	SYKTYVKAR	USSR
47590	CT	SENDAI	JAPAN	41891	C	SYLHET	BANGLADESH
62762	C	SENNAR	SUDAN	72519	C	SYRACUSE/HANCOCK, NY.	USA
71811	C	SEPT-ILES, QUE.	CANADA	12205	C	SZCZECIN	POLAND
61976	C	SERGE-FROLLOW (ILE TROMELIN)	FRANCE	12982	CT	SZEGED	HUNGARY
60445	C	SETIF	ALGERIA	65380	C	TABLIGBO	TOGO
08390	C	SEVILLA/TABLADA	SPAIN	63832	C	TABORA AIRPORT	U REP TANZANIA
63980	C	SEYCHELLES INTL AIRPORT	SEYCHELLES	40375	CT	TABUK	SAUDI ARABIA
63985	T	SEYCHELLES INTL AP(RAW.STN)	SEYCHELLES	98550	C	TACLOBAN	PHILIPPINES
58367	CT	SHANGHAI	CHINA	84782	C	TACNA	PERU
03962	C	SHANNON AIRPORT	IRELAND	98644	C	TAGBILARAN	PHILIPPINES
59316	C	SHANTOU	CHINA	83235	C	TAGUATINGA	BRAZIL
41136	C	SHARURAH	SAUDI ARABIA	91938	CT	TAHITI-FAAA	FRENCH POLY.

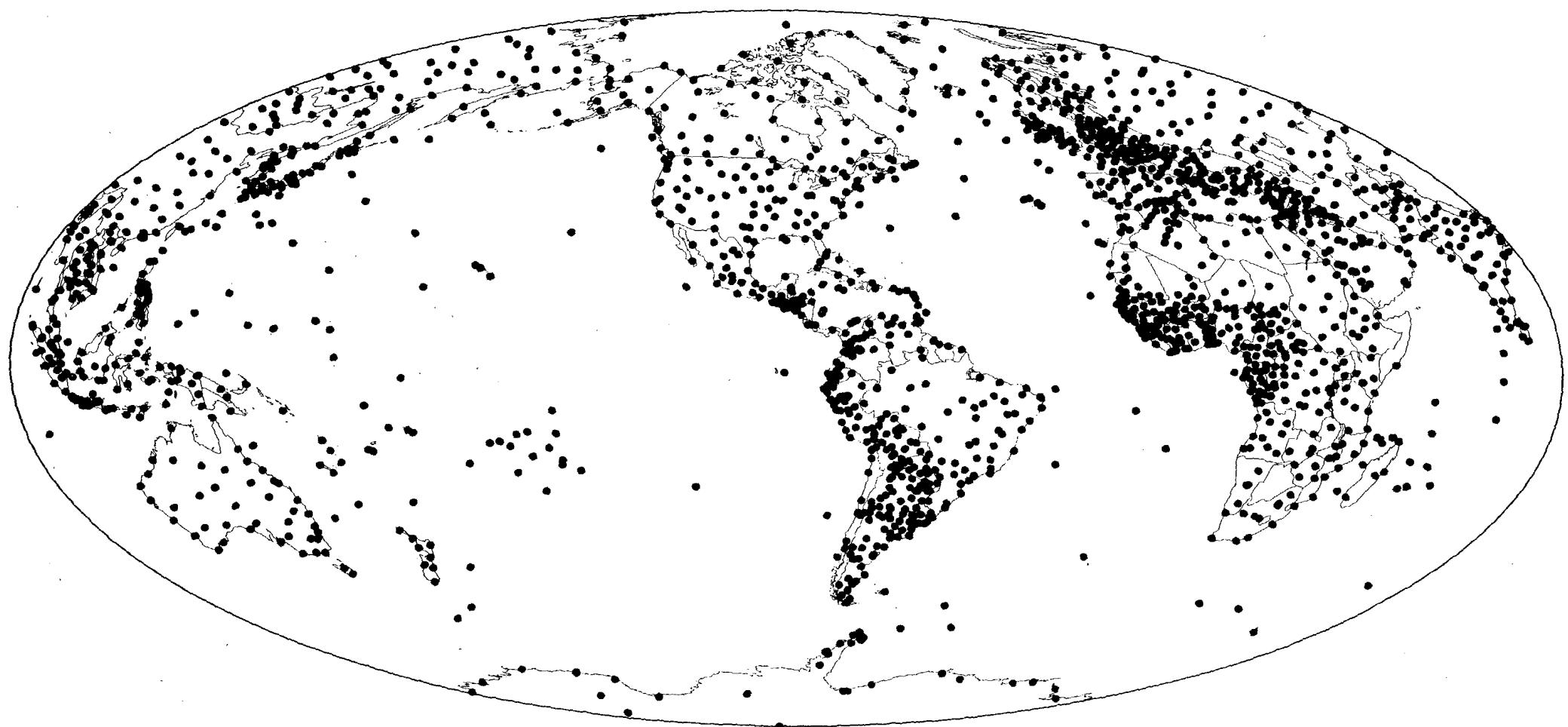
STATION LIST RECENT DATA

61043	C	TAHOUA	NIGER	24507	CT	TURA	USSR
58968	T	TAIBEI	CHINA	40356	C	TURAI	SAUDI ARABIA
41036	C	TAIF	SAUDI ARABIA	35358	C	TURGAJ	USSR
91943	C	TAKAROA	FRENCH POLY.	02972	C	TURKU	FINLAND
72214	C	TALLAHASSEE/MUN., FL.	USA	23472	CT	TURUHANSK	USSR
26038	C	TALLIN	USSR	48407	T	UBON RATCHATHANI	THAILAND
60680	CT	TAMANRASSET	ALGERIA	06447	CT	UCCLE	BELGIUM
67095	C	TAMATAVE	MADAGASCAR	16045	C	UDINE/RIVOLTO	ITALY
61687	C	TAMBAÇOUNDA	SENEGAL	48354	C	UDON THANI	THAILAND
38413	C	TAMDY	USSR	44292	C	ULAN-BATOR	MONGOLIA
72211	C	TAMPA/INTL, FL.	USA	44272	C	ULIASTAI	MONGOLIA
76548	C	TAMPICO, TAMPS	MEXICO	76225	C	UNIV. DE CHIHUAHUA, CHIH.	MEXICO
87645	C	TANDIL AERO	ARGENTINA	68424	CT	UPINGTON	SOUTH AFRICA
96509	C	TARAKAN/JIWATA	INDONESIA	47426	C	URAKAWA	JAPAN
84455	C	TARAPOTO	PERU	17270	C	URFA	TURKEY
91610	CT	TARAWA	N ZEALAND	51463	CT	URUMQI	CHINA
23552	C	TARKO-SALE	USSR	30635	C	UST'-BARGUZIN	USSR
38457	CT	TASKENT	USSR	25325	C	UST'-OLOJ	USSR
47646	T	TATENO	JAPAN	02911	C	VAASA	FINLAND
96481	CT	TAWAU	MALAYSIA	85766	C	VALDIVIA	CHILE
37549	C	TBILISI	USSR	03953	CT	VALENTIA OBSERVATORY	IRELAND
80478	C	TEMBLADOR	VENEZUELA	80426	C	VALERA	VENEZUELA
56739	C	TENGCHONG	CHINA	08141	C	VALLADOLID	SPAIN
89053	C	TENIENTE JUBANY E.C.	ARGENTINA	03302	C	VALLEY	U KINGDOM
94238	C	TENNANT CREEK AIRPORT	AUSTRALIA	71892	C	VANCOUVER INTL AIRPORT, B.C.	CANADA
83492	C	TEOFILO OTONI	BRAZIL	01098	C	VARDO	NORWAY
82578	C	TEREZINA	BRAZIL	15552	C	VARNA	BULGARIA
67261	C	TETE	MOZAMBIQUE	26477	C	VELIKIE LUKI	USSR
71867	C	THE PAS, MAN.	CANADA	16105	C	VENEZIA/TESSERA	ITALY
16622	C	THESSALONIKI/MIKRA	GREECE	83264	C	VERA (GLEBA CELESTE)	BRAZIL
06011	CT	THORSHAVN	DENMARK & FAROE IS.	42909	C	VERAVAL	INDIA
41314	C	THUMRAIT	OMAN	24266	C	VERHOJANSK	USSR
94175	C	THURSDAY ISLAND	AUSTRALIA	16090	C	VERONA/VILLAFRANCA	ITALY
60511	C	TIARET	ALGERIA	72255	C	VICTORIA/VICTORIA REG., TX.	USA
61450	C	TIDJIKJA	MAURITANIA	87791	C	VIEDMA AERO	ARGENTINA
61036	C	TILLABERY	NIGER	48940	C	VIENTIANE	LAO PDR
81002	C	TIMEHRI	GUYANA	83208	CT	VILHENA	BRAZIL
60607	C	TIMIMOUN	ALGERIA	24641	C	VILJUJSK	USSR
15247	C	TIMISOARA	ROMANIA	60096	C	VILLA CISNEROS	WESTERN SAHARA
60656	C	TINDOUF	ALGERIA	87328	C	VILLA DOLORES AERO	ARGENTINA
84534	C	TINGO MARIA	PERU	87448	C	VILLA REYNOLDS AERO	ARGENTINA
03100	C	TIREE	U KINGDOM	11212	C	VILLACHERALPE	AUSTRIA
13462	C	TITOGRAD/GOLUBOVCI	YUGOSLAVIA	86233	C	VILLARRICA	PARAGUAY
60531	C	TLEMcen (ZENATA)	ALGERIA	80234	C	VILLAVICENCIO/VANGUARDIA	COLOMBIA
28275	C	TOBOL'SK	USSR	02590	C	VISBY FLYGPLATS	SWEDEN
47662	C	TOKYO	JAPAN	43149	C	VISHAKHAPATNAM	INDIA
72536	C	TOLEDO/EXPRESS, OH.	USA	83648	C	VITORIA	BRAZIL
61223	C	TOMBOUCTOU	MALI	31960	CT	VLADIVOSTOK	USSR
72456	C	TOPEKA/MUN., KS.	USA	27037	CT	VOLOGDA	USSR
71624	C	TORONTO INTL AIRPORT, ONT.	CANADA	34122	C	VORONEZ	USSR
76382	C	TORREON, COAH.	MEXICO	22837	C	VYTEGRA	USSR
60555	C	TOUGOURT	ALGERIA	72256	C	WACO, MADISON-COOPER, TX.	USA
07630	C	TOULOUSE/BLAGNAC	FRANCE	62751	C	WAD MEDANI	SUDAN
94294	CT	TOWNSVILLE AIRPORT	AUSTRALIA	03377	C	WADDINGTON	U KINGDOM
16429	CT	TRAPANI/BIRGI	ITALY	62600	C	WADI HALFA	SUDAN
07145	T	TRAPPES	FRANCE	94910	CT	WAGGA AIRPORT	AUSTRALIA
86500	C	TREINTA Y TRES	URUGUAY	97340	C	WAINGAPU/MAU HAU	INDONESIA
87828	C	TRELEW AERO	ARGENTINA	47600	CT	WAJIMA	JAPAN
87688	C	TRES ARROYOS	ARGENTINA	47401	CT	WAKKANAI	JAPAN
83618	C	TRES LAGOAS	BRAZIL	09170	C	WARNEMUENDE	GERMAN DEM REP
16110	C	TRIESTE	ITALY	12375	C	WARSZAWA-OKECIE	POLAND
43418	C	TRINCOMALEE	SRI LANKA	72405	C	WASHINGTON/NAT., VA.	USA
85154	C	TRINIDAD	BOLIVIA	72403	T	WASHINGTON/STERLING, VA.	USA
62010	CT	TRIPOLI INTL AIRPORT	LIBYAN ARAB JAMAHIRI	40400	C	WEJH	SAUDI ARABIA
43371	CT	TRIVANDRUM	INDIA	93434	C	WELLINGTON	N ZEALAND
01025	C	TROMSO/LANGNES	NORWAY	72203	C	WEST PALM BEACH/INTL, FL.	USA
84501	C	TRUJILLO	PERU	71964	C	WHITEHORSE, Y.T.	CANADA
91334	CT	TRUK, CAROLINE IS.	USA	72450	C	WICHITA, KS.	USA
91954	C	TUBuai	FRENCH POLY.	11035	CT	WIEN/HOHE WARTE	AUSTRIA
72274	C	TUCSON/INTL, AZ.	USA	72513	C	WILKES-BARRE-SCRANTON, PA.	USA
87121	C	TUCUMAN AERO	ARGENTINA	94776	CT	WILLIAMSTOWN AERODROME	AUSTRALIA
98233	C	TUGUEGARAO	PHILIPPINES	94299	CT	WILLIS ISLAND	AUSTRALIA
67161	C	TULEAR	MADAGASCAR	72767	C	WILLISTON/SLOULIN FIELD, ND.	USA
72356	C	TULSA/INTL, OK.	USA	72583	C	WINNEMUCCA/MUN., NV.	USA
84370	C	TUMBES	PERU	71852	C	WINNIPEG INTL AIRPORT, MAN.	CANADA
60715	C	TUNIS CARTHAGE	TUNISIA	12497	C	WLODAWA	POLAND

STATION LIST RECENT DATA

47055	C	WONSAN	DPR KOREA
94659	CT	WOOMERA AERODROME	AUSTRALIA
12425	T	WROCLAW I	POLAND
12424	C	WROCLAW II	POLAND
57036	C	XI'AN	CHINA
56571	C	XICHANG	CHINA
85365	C	YACUIBA	BOLIVIA
72781	C	YAKIMA/YAKIMA AIR TERM., WA.	USA
70361	CT	YAKUTAT, AK.	USA
54292	C	YANJI	CHINA
64950	C	YAOUNDE	REP CAMEROON
91413	C	YAP, CAROLINE IS.	USA
40439	C	YENBO	SAUDI ARABIA
57461	C	YICHANG	CHINA
51431	C	YINING	CHINA
47744	CT	YONAGO	JAPAN
72525	C	YOUNGSTOWN, OH.	USA
84425	C	YURIMAGUAS	PERU
13129	C	ZAGREB/GRIC	YUGOSLAVIA
98836	C	ZAMBOANGA	PHILIPPINES
81225	C	ZANDERIJ	SURINAME
08160	C	ZARAGOZA/AEROPUERTO	SPAIN
57083	C	ZHENGZHOU	CHINA
57745	C	ZHIJIANG	CHINA
41620	C	ZHOB	PAKISTAN
61695	C	ZIGUINCHOR	SENEGAL
61090	C	ZINDER	NIGER
61404	C	ZOUERATE	MAURITANIA
10961	C	ZUGSPITZE	GERMANY, FED REP
06660	C	ZURICH (TOWN/VILLE)	SWITZ. LIECH.
25400	C	ZYRJANKA	USSR

CLIMATIC DATA STATIONS - WORLDWIDE



MONTHLY CLIMATIC DATA FOR THE WORLD

A SPECIAL NOTE TO DATA CONTRIBUTORS AND SUBSCRIBERS

World Meteorological Organization (WMO) letter M/CLC, dated 25 August 1986, describes the automated processing system for the Monthly Climatic Data for the World (MCDW). Excerpts appeared in the April through December 1987 editions of the MCDW publications. The goal of the MCDW automated processing system is to provide data uniformity among WMO Member Nations and reduce the time period required to produce the publication.

The one-year transition period when both Global Telecommunications System (GTS) and NOAA 80-4 and 80-5 forms were used as data sources for the MCDW publication has ended. Commencing with the January 1988 MCDW edition, GTS is the primary source for data contained in the publication. However, NOAA forms 80-4 and 80-5 will continue to be used for data validation and corrections.

Station data will appear in the publication if both of the following conditions are met:

A. The stations are designated as CLIMAT, CLIMAT TEMP, CLIMAT SHIP, or CLIMAT TEMP SHIP stations in the version of WMO Publication No. 9 (Weather Reporting), Volume A - Stations, that is in effect in the month to which the data relate. Volume A is updated using WMO's monthly letters on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS).

B. Station data are being transmitted in the relevant CLIMAT, CLIMAT TEMP, CLIMAT SHIP, or CLIMAT TEMP SHIP coding formats as described in the current WMO Publication No. 306 (Manual on Codes), Volume I and the telecommunication procedures laid down in WMO No. 386, Manual on the Global Telecommunications System. WMO No. 100, Guide to Climatological Practices, Chapter 8, also refers to the preparation of CLIMAT reports. Great care should be taken in the preparation and transmission of the reports. If the automatic translator cannot decode the messages, the data will be lost.

To promote consistency, AVERAGES for the 30-year period 1951-1980 are calculated based on data previously received by the U.S. National Climatic Data Center for those years. Six years of data are considered to be the minimum required for calculations. The exception is Sunshine Duration, which was taken from WMO's published 1931-1960 Normals. Monthly departures are automatically computed based on the AVERAGES. The years of record used to compute AVERAGES will periodically be published in MCDW.

Jerome D. Ziemianski
Editor, MCDW

COVER: The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World and ship reports exchanged under WMO Res. 35 (Cg-IV). Since it was not possible to select all data for the same years of record, maps do not represent a "Standard Normal" period, but are generally representative of conditions during 1950's to mid-1970's. However, some ship data as early as the 1850's and land data from the 1890's to 1950's were used to help fill data gaps. The appropriate month's analysis will be shown in each issue. Since the scale is small, these maps can be used only for generalizations over large areas. If detailed statistics are needed, summaries of finer resolution should be used.

*National Climatic Data Center
January 1988*

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

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